je Kining Journal,

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1530.—Vol. XXXIV.

LONDON, SATURDAY, DECEMBER 17, 1864.

STAMPED.....SIXPENCE. UNSTAMPED..FIVEPENCE

M. R. JAMES CROFTS, SHAREBROKER,

No. 1, FINCH LANE, CORNHILL.

(Established 22 years.)

Mr. CROFTS transacts business, in the way of PURCHASE or SALE, in every description of stocks, but particularly in BRITISH MINES, in no case departing from the position of a broker, at net prices.

Holders of mining shares DIFFICULT of SALE in the OPEN MARKET may find purchasers by negociation, through Mr. CROFTS agency. Also, parties requiring ADVICE how to act as to the DISPOSAL, or ABANDONENT, of doubtful mining stocks may profitably avail of Mr. CROFTS ong experience on the market in all cases of doubt or difficulty.

*** ORDERS to buy or sell RAILWAY, BANK, and WATER COMPANIES' shares promptly carried out, for cash.

FOR SALE, AT LOWEST MARKET PRICES (net):—15 Maudlin, £6; 15 Crane, £34; 40 South Darren, 38s.; 1 East Basset, £504; 40 North Chiverton, 24; 20 Frank Mills, £54 (cain paid); 25 East Croft, 24; 20 Crebor, 42s.; 100 North Jane (an offer); 250 Vaic of Towy, 4s. 3d.; 25 Granville, £44; 20 Lady Bertha, 21s. 6d.;

**O East Granville, £44; 20 East Laxy, £15*.

*** BUYER of Port Phillip, Yudanamutana, and Midiand Rallway. See reports of North Chiverton and Lady Bertha, in this Journal.

**BAR R. JAMES LANE. No. 44. THREADNEEDLE STREET.

MR. JAMES LANE, No. 44, THREADNEEDLE STREET, LONDON, E.C.

JAMES LAME has FOR SALE at nets prices:—5 Basset and Grylls; 3 Buller, £11%; 50 Badol-Aur, 9a. 6d.; 20 Bryntali, £24%; 50 Crebor, 42a.; 20 Crenver and Abraham, 15a.; 50 Calstock Consols, 8a.; 20 Carn Camborne, 28a. 6d.; 10 Central Minera, 32a. 6d.; 20 East Lovell, £15½; 20 East Rosewarne, £3; 20 East Russell, £5½; 40 East Seton, 2a. 6d.; 10 East Chiverton, 30a.; 25 Great Wheal Busy, £2½; 20 Hallenbeagie, £3%; 20 Lady Bertha, £1; 20 Maudiln, £6; 20 North Treskerby, £2½; 6 North Basset, 72a. 6d.; 100 Okel Tor, 14a.; 50 South Grenville, 9s.

MR. WILLIAM LELEAN BUYS and SELLS all descriptions of ENGLISH and FOREIGN STOCKS and SHARES, INSPECTS MINES, and TRANSACTS all the usual BUSINESS of a STOCK and SHAREDALER. Partiss may rely upon him for soon advice and punctuality in all his engagements.

Mr. Lelean has FOR SALE: --30 Mandill, 9 Greet Laxey, 2 Providence, 20 Bedford United, 20 Crenew Wheel Abraham, 281. Lwee Consols, 2 West Wheel Schon, 20 North Treakerby, 30 North Chiverton, 10 South Wheel Basset, 10 South Darren, 75 West Wheel Stoke, 20 North Treakerby, 30 North Chiverton, 10 South Wheel Basset, 10 South Darren, 75 West Wheel Stoke, 20 North Chiverton, 10 Bassawell, 10 East Treakerby, 10 Treiyon Consols, 50 Rosewarne, 10 Corac, 40 North Greet Work, 70 Wheel Emma, 25 Trimley Hall, 100 Vale of Yowy, 100 Hawkmoor, 20 Crane, 100 Wheel Curtis, 10 East Carn Brea, 200 North Jane, 100 Great Caradon, 10 Sithney and Carmena, 30 East Chiverton, 5 Darren, 25 East Providence, 27½; 269 North Miners, 2s. 6d.; 1 Levant, and 1 Botallack.

I refor my correspondents to my letter in this day's Journal, page 876.

Bankers: Messrs. Roberts, Lubbock, and Co. Offices, 11, Royal Exchange, London, E.C.

JOHN B. REYNOLDS, 2, HATTON COURT,
THREADNEEDLE STREET, LONDON, E.C.,
Recommends for investment East Wheal Vor, Cook's Kitchen, and Stray Park shares,
with several others, many of which are not now dealt in, but which have been very
often in great demand, and which will be in considerable request again.

I L L I A M W A R D

WILLIAM WARD, 9, BROAD STREET BUILDINGS,
LONDON, begs to inform the shareholders in the FOLLOWING MINES
that he has been APPOINTED SECRETARY, and all communications are to be adiressed as above: NORTH DOWNS.
DALE (LIMITED).
TREWEATHA.
GRAND DUCHY OF BADEN.

BROAD STREET BUILDINGS.
ELLINS.
CARADON UNITED MINES.
NANT-Y-LAGO.
HOLMBUSH.
BRYNFORD HALL.

GHAND DUCHY OF BADEN.

MR. T. ROSEW ARNE, 81, OLD BROAD STREET,

LONDON, E.C., has FOR SALE:—

Birch Tor & Vitiler, £2.
Bedford United, £2½.
Bedford United, £2½.
Chiverton, £6¼.
Camborne Vean, £2½.
Clifford Amal., £2%.
Clifford Amal., £2%.
Crenter Abraham.
East Corn Brea, £2½.
Great Baseef, £49½.
East Carn Brea, £6%.
East East East Carn Brea, £6%.
East Carn Brea,

And is a BUYER of:— West Caradon, £7. Wheal Edward, 6s. East Vor, £2. Birch Tor & Vit., 37s. 6d. T. ROSEWARDE IS a SELLER of the following shares, for time on, at prices below prediagory Caradon,
West Chiverton,
Creat Vor.
December 16, 1864.
Bankers: Bank of London

TAMES HUME, 74, OLD BROAD STREET, LONDON, E.C.,
AND MINING EXCHANGE, HAS BUSINESS in South Condurrow, 29a;
East Granville, £5; East Lovell, £15%; East Caradon, £19; East Cara Bres, £63;;
Union, 10s.; East Russell, £5; North Shepherds, £3; Great Vor, £36%.

J. Huxe's 'Circular' for November is now ready, and contains most valuable information on some of the leading mines likely to have a great rise. Subscription 5s, per annum.

6d, per copy.

Bisiness transacted at closest nett prices.

Bisiness transacted at closest nett prices.

usiness transacted at closest nett prices. Bankers : London Joint-Stock Bank.

M. JOHN BATTERS, STOCK AND MINING SHAREBROKER, 13, THROGMORTON STREET, LONDON, E.C., is in a position to give sound advice as to the sale or purchase of mining shares, the present being one of the most favourable opportunities for speculation or investment to result in large profits. List free on application.

FOR SALE:—2 East Basset, £50; 20 South Darren, 37s. 6d.; 15 North Chiverton, £2½; 10 Wheal Greeville, £4½.

BUYER of Chiverton, East Wheal Russell, and Central Minera. State number and lowest price.

GEORGE RICE, 5, COWPER'S COURT, BIRCHIN LANE, LONDON, E.C. (22 years' experience), Member of the Mining Exchange, has SPECIAL BUSINESS, as BUYER or SELLER, in the following:—

Clifford Amalgamated 31 -31% (Chiverton 6 - 6½ Nangles 21 -22 East Russell (call paid) 434 - 5 Marke Valley. 5½ -5% East Caradon 19% -19% Wheal Crebor. 39s.-41s.

East Wheal Lovell 11½ -14% Wheal Crebor. 39s.-41s.

East Wheal Vor. 2 - 2½ West Chiverton. 60 - 62½ East Wheal Grenville 4½ - 44% East Wheal Grenville 456 - 456 - 456 East Wheal Grenville - 456 - 456 East Wheal Coverlle - 50 - 60 - 62½ East Wheal Grenville - 456 - 456 East Wheal Coverlle - 50 - 60 - 62½ East Wheal Grenville - 456 - 456 East Wheal Coverlle - 50 - 60 - 62½ East Wheal Grenville - 456 - 60 - 62½ East Wheal Grenville - 456 - 456 East Wheal Coverlle - 50 - 60 - 62½ East Wheal Grenville - 456 - 456 East Wheal Coverlle - 50 - 60 - 62½ East Wheal Grenville - 456 - 456 East Wheal Crebor. 60 - 62½ East Wheal Grenville - 456 - 456 East Wheal Crebor. 60 - 62½ East Wheal Grenville - 456 - 456 East Wheal Crebor. 60 - 62½ East Wheal Grenville - 456 - 456 East Wheal Crebor. 60 - 62½ East Wheal Grenville - 456 - 456 East Wheal Crebor. 60 - 62½ East Wheal Crebor. 60 - 62

MR. WALTER TREGELLAS, 3, CROWN COURT,
THREADNEEDLE STREET, LONDON, E.C., has BUSINESS in the FOLLOWING MINES:—Santa Barbara, Frontino and Bollvia Gold, Great Wheal Vor,
Norits Shepherds, East Caradon, and North Roskear.
W. Tracelllas strongly recommends the above mines for immediate purchase, as
these shares will pay good interest for money at present quotations.

MR. GEORGE BUDGE, SHAREDEALER, No. 4, ROYAL EXCHANGE BUILDINGS, LONDON, E.C. (Established 17 years), has FOR SALE at nett prices:—2 Minera, £302½; 10 East Caradon, £19%; 50 Mandlin, £6; 120 Santa Barbara, 9s. 6d.; 20 Trencron, £3; 100 Welsh Gold, 18s.; 70 Frontino and Bolivia; 3 Providence, £36; 4 East Easset, £40; 1 Wheal Seton; 10 Baset and Grylls, £11½; 100 Hawkmoor, 2s.; 50 Kelly Bray; 800 Great Northern, 1s.; 125 Anglo-Brazilian, 6s. 9d.; 50 North Devon; 60 New Marths, £1½; 160 Merilyn, 3s.; 50 North Down; 85 Vale of Towy, 4s. 6d.; 200 Molland, 3s.; 35 East Grenville, £4½; 150 Don Pedro; 150 Nova Scotia; 65 East Devon Consols, 17s. 6d.; 300 Rosa Grande, 3s. 6d.; 2 West Sharp Tor; 150 East Seton, 5s.; 150 Pedn-au-dres; 50 Tolcarne; 50 Port Phillip; 60 East Vor; 45 Sithney Metal, 32s. 6d.; 65 Great Retaliack, 1s. 9d.; 70 Dale, 10s. 6d.; 10 Westiworth; 100 Redmoor; 30 Recewarne United; 150 Cambrian Gold; 20 Wheal Hope; 40 North Frances, 25s.; 75 Treloweth; 5 South Crotty; 100 Gawton.

Every information can be obtained on personal application, or by letter, as to purchases and sales of Mine, Rallway, Bank, and other Shares and Stoks, and the best investment for capital.

From the close proximity of his offices to the Stock Exchange, as well as the Mining Exchange, Persa Warson is enabled to act with promptitude on all orders entrusted to him, which at all times are carried out with punctuality.

TNVESTMENT FOR CAPITAL.—For a good investment and a great rise in the present price of shares, Mr. Peter Warson is prepared to recommend four mines, which are paying good dividends (every two months or quarterly), and eight progressive mines, requiring but a further small outlay, which, from the present position and future excellent prospects, he feels confidence in recommending at the present greatly depressed prices. The above selection of twelve mines present more than the usual chances of success during the next twelve months. This list will be sent on application to all those who desire it, with the respectful solicitation that investors do their business through Peter Warson, 79, Old Broad-street, London, E.C.

EAST WHEAL LOWEL.—In my "Weekly Circular," No. 343, of Oct. 7, I stated—"I should recommend my friends to increase their holding at present prices, 34, 10 84,11, 11 and in my "Circular," No. 344, of Oct. 14 (four weeks ago) I stated—"The shares this week have been firm at 84,1 to 84,1,1, and will, in my opinion, advance considerably," and this week they have advanced to £15\(\frac{1}{2}\) to £16\(\frac{1}{2}\). Those who acted upon my advice can now realise a great profit if they so desire.

The TERR WARSON'S WEEKELY MINING CIRCULAR AND AND

PETER WATSON'S WEEKLY MINING CIRCULAR AND SHARE LIST, published every Friday, price 6d. each copy, forwarded on application. This Circular contains weekly important information with respect to all the principal Dividend and Progressive Mines in Devon and Cornwall.

79, Old Broad-street, London, E.C.

EAST WHEAL VOR.—The Truro Correspondent of the MINING

AST WHEAL VOR.—The Truro Correspondent of the Mining Journal (in the Journal of Nov. 26) in remarking on the district, gives the following extract:—
"The most important virgin ground in the district is the large sett (formerly two setts) now working as East Wheal Vor. comprising nearly the whole of the eastern half of the basin, and occupying precisely the same position, with regard to the granite hill bounding that side, as Great Wheal Vor does to the Tregonning granite. It includes all the lodes of Old Wheal Vor, as well as those of Wheal Metal, and the result of the sound and vigorous working it is now receiving is to be looked for with great interest. This set has, no doubt, been scratched about and played with for a long time—treated, in fact, as Wheal Metal was until within the last four years—but it has never yet received such handling as could, except by an extraordinary accident, be expected to lead to any useful result. It now, however, seems to be provided not only with a good plant of material, but with an ample patient than those of Wheal Metal four years ago. If the analogous geological conditions under which the same lodes occur on both sides of the basin forming the Wheal Yor district should lead, as may certainly be fairly expected, to anything like snalegous results, then indeed East Vor, containing, ast does, the eastern continuation of the best known productive lodes of the district, has a future before it not easily to be matched. It is to such mines at these—'rigin ground well situated—that, in the bast interest of Cornwall, the capital and energy of legitimate mining enterprise should be districted. The public cannot go very far wrong in them, for although, of course, they cannot all succeed, yet a sufficient number to give a splendid result, on the whole, have never yet failed to do so."

The shares this week have been in good demand at £2\(\frac{1}{2} \) to \$\frac{1}{2} \), and when these shares advance to £8 or £10 each, probably they will be eagerly sought after by the investing publ

| The state of the

MR. EDWARD COOKE, MINING SHAREDEALER, 2, CROWN CHAMBERS, THREADNEEDLE STREET, LONDON, E.C. (Member of the Mining Exchange.)

Mr. EDWARD COOKE has removed to the above address, where all communications on matters relating to business will meet with his usual attention.

Dec. 16, 1864. Bankers: Alliance Bank, Lothbury.

OTEA COPPER MINE.—MR. EDWARD COOKE has much pieasure in drawing attention to this valuable property. There has already been sold from it about £30,000 worth of ore, with the aid of only very rude and inefficient machinery. A powerful engine and crusher were sent out to the mine some months ago, from which, and other steps taken by the present company, the costs of returning the cre (of which it is estimated that there are still 4000 tons of full 15 per cent. produce above the adit alone, besides a large quantity available under adit, though yet sunk only 20 fms.) will be reduced by as much as £4 per ton, while the position of the mine, on the coast, prevents it from being burdened with the usual heavy land carriage, and the freight to Eogiand in the wool ships is nearly nominal. From the reports of first-rate agents the lode evidently improves in depth, and it is likely to become agreat mine. It is understood that the company intends to limit the operations for a time to returning a portion of the large quantity of ore laid open, thus probably securing a large profit in a short time, a part of which might be applicable to dividend, and the rest fer further development. He feels confident in recommending the shares at present as a cheap investment, and as a limited number can now be precured, Mr. Cooke will be happy to receive orders for the same.

Full printed particulars can be obtained from Mr. E. Cooke, Stock and Sharedealer, 2, Crown Chambers, Threadneedle-street, London.

Crown Chambers, Threadneedle-street, London.

M. R. C. POWELL, MINESHARE, DEALER.
78, OLD BROAD STREET, LONDON, E.C.
(Member of the Mining Exchange.)

Mr. Powell begs to inform his friends and the public that he continues to TRANSACT
BUSINESS, as BUYER or SELLER of SHARES in MINES, at close nett prices,
either for cash or the fortnightly settlement.
The following shares are recommended for immediate purchase:—Billins, Bryn Gwiog,
Clifford Amalgamated, Chiverton, Chiverton Moor, East Cara Brea, East Wheal Vor,
East Wheal Lovell, Frontino and Bolivia, Great Laxey, Great Wheal Lovell, Fundino and Bolivia, Great Laxey, Great Wheal Lovell, Fundino and Bolivia, Great Laxey, Great Wheal Crofty, Sitthney Wheal
Metal, Santá Barbara, South Darren, South Lovell, Tincroft, West Chiverton, West
Wheal Vor, Wheal Basset, Wheal Kitty (St. Agnes), and Wheal Seton.
Dec. 16, 1864. Bankers: City Bank, Finch-lane.

JOHN RISLEY, 32, LOMBARD STREET, LONDON, E.C. SHARES in MINES BOTGHT and SOLD on commission, at 1% per cent., for immediate cash. Bankers: London and Westminster, Lotbury.

STOCK AND SHAREDEALER.—MR. PETER WATSON, DESCRIPTION OF STOCK, SHARE, AND MINING OFFICES, 79, OLD BROAD-STREET, LONDON, E.C.

Twenty years' experience.

(Two in Cornwall and Eighteen in London.)

Bankers: The Union Bank of London, and the Alliance Bank.

Terms for sale of shares by auction furnished on application.

MR. T. E. W. THOMAS, MINING AGENT AND GENERAL MINING SHAREDEALER, 37, OLD BROAD STREET, LONDON, E.C.

MR. FRANCIS G. LANE, No. 2, ROYAL EXCHANGE,
LONDON, E.C., has the following SHARES FOR SALE, free of commission:—
50 West Maria and Fortes—
cue, £2 1s.
10 Wh. Kitty (St. Agnes),
£5 6s. 3d.
100 Prince of Wales, 2s 2d.
100 Prince of Wales, 2s 2d.
100 N. Wh. Martha, 23s 64.
50 Vale of Towy, 4s. 3d.
20 North Minera, 2s. 9d.
20 East Rosewarne, £2 4s.
21 East Rosewarne, £2 4s.
22 East Rosewarne, £2 4s.
23 East Rosewarne, £2 4s.
24 East Caradon, £194 (1984 Wheal Vor. 24s. and

20 North Minera, 2s. 9d. 20 East Rosewarne, £2%.

BUYER of Marke Valley, £5; East Caradon, £19%; West Wheal Vor, 25s.; and Torbay Hematite Iron, £4%.

Mr. Lane strongly recommends the purchase of South Lovell shares. The number of shares in which it is divided is few, the financial position good, the appearances excellent, and the chances of a rise in market value very great.

Parties of respectability can have transfers registered into their names previous to payment.

Bankers: London and County Bank.

HUBERT BARNES RYE, MINING OFFICES,
77, OLD BROAD STREET,
AND MINING EXCHANGE, LONDON, E.C.
WANTED TO FURCHASE: -50 Clifford Amalgamated. Sellers will oblige by
stating lowest price.

MR. GEORGE BATTERS strongly recommends his friends to buy
West Chiverton, Chiverton, Herodsfoot, South Caradon, Devon Great Consols,
Great Wheal Yor, Wentworth Consols, and Sithney Wheal Metal for investment. These
shares will pay good interest for money at present quotations.
76, Old Broad-street, London, E.C.

MR. WM. BIRDSEY, MINE AND SHARE BROKER, No. 2, CROWN COURT, THREADNEEDLE STREET, LONDON, E.C. J O S E P H J. R E Y N O L D S, Jun., Has a few Dividend Paying and Progressive Mines which he can confidently recom-need for an immediate rise.

M E S S R S. W A R D A N D J A C K M A N,
2, ADAM'S COURT, OLD BROAD STREET, AND
MINING EXCHANGE, LONDON, E.C.
Bankers: London and Westminster, Leitbury.

MR. THOS. THOMPSON, MINING OFFICES, I L L I A M S E W A R D,

MR. E. GOMPERS. MINING OFFICES, 3, CROWN CHAMBERS, THREADNEEDLE STREET, LONDON, E.C. BUSINESS TRANSACTED IN BRITISH and FOREIGN STOCKS and SHARES. Terms, 1½ percent. Bankers: London and Westminster Bank.

MR. THOMAS CARTHEW, MINING OFFICES, 174, SISE LANE, BUCKLERSBURY, LONDON, E.C. Reliable information respecting mining generally can be obtained by applying as above, Bankers: Robarts, Lubbock, and Co., 16, Lombard-street, London.

WILLIAM BARTLETT, MINING SHAREDEALER,
No. 2, BUCKLERSBURY, LONDON, E.C.
(Member of the Mining Exchange.)
Business transacted at the close market prices of the day. Advice given as to the
safest and best paying investments. Telegrams promptly attended to.
Banktrs: Alliance Bank, Lothbury.

M. R. W.M. MICHELL would recommend, amongst others, the immediate purchase of Wheal Rose, North Treskerby, Great North Downs, Hallenbeagie, East Grenville, North Chiverton, Brya Gwieg, and Wheal Seton. 42, Cornhill, London, E.C., December 16, 1864.

BRYN GWIOG MINE,—MR. WM. MICHELL having UNDERTAKEN the DUTIES of SECRETARY of the ABOVE-NAMED MINE, all communications relative thereto must he addressed to him. 42, Cornhill, London, E.C., December 16, 1884.

ENRY GOULD SHAR P,
STOCK AND SHAREDEALER, 32, POULTRY, LONDON, E.C.,
Member of the Mining Exchange (Established 12 years).

Is in a position to give SOUND ADVICE and RELIABLE INFORMATION as to
the SAFEST and BEST PAYING INVESTMENTS of the day, both in RAILWAY
BANKING, MINING, INSURANCE, DOCK, GAS, WATER, FINANCIAL, and
OTHER MISCELLANEOUS SHARES.

Bankars: London and Westminster Bank, Lothbury, London, E.C.

H E N R Y G O U L D S H A R P'S
RAILWAY, BANKING, MINING, AND INVESTMENT CIRCULAR
(post free) should be consulted by the public before investing. Dividends can be secured
from 10 to 20 per cent. upon the money invested. It is a safe guide, containing reliable
information and sound advice to capitalists.

(Retablish.

Omces, \$2, Poultry, London, E.C.

MR. G. D. SANDY, SHAREDEALER, No. 48,
THREADNEEDLE STREET, LONDON, E.C., has SPECIAL BUSINESS
in the FOLLOWING SHARES:—
Bedol-Aur. North Rosswarne,
Camborne Vean. North Rosswarne,
Caradon Hill. Great Fortune.
Cane Chiverton. Wheal Grenville,
Crane.
East Rosewarne,
Crane. Uny.
Trimley Hall. Crebor.
Great Laxor. Wheal Mary Ann.
Wheal Tremayne,
Wheal Internation. Kelly Bray.

Kelly Bray.

Great South Chiverton.

Lady Bertha.

North Frances.

South Gorland.

New Clifford.

Recommended for immediate investment:—East Wheal Vor and West Great Vooth these mines are in the same district, and well worth attention.

A selected list of bond field shares for investment forwarded graits.

Current Daily Price List may be obtained as usual.

MATTHEW GREENE, STOCK AND SHAREDEALER,
Mr. GREENE has returned from Cornwall, and will be happy to afford his friends the
benefit of all the information he has gleaned concerning the mines of the Gwennap and

benefit of all the information he has gleaned concerning the mines of the Gwennap and Radrath districts.

New CLIFFORD.—I have visited this promising mine in the company of some of the best mining authorities in Cornwall, and I am pleased to inform the sharebolders that there exists only one opinion, and that is that New Clifford possesses all the elements necessary for ensuring success.

Investments in the following mines would be certain to pay well at present prices—viz., New Clifford, £1½; £ast Lazey, ½; £ast Snaefell, £2½; North Treskerby, £2½; and Great Laxey, £18.

Commission 1½ per cent.

Commission 1% per cent.
Imperial Bank and London and County.

MR. WILLIAM MARLBOROUGH, 1, GREAT ST. HELEN'S, BISHOPSGATE STREET, LONDON, E.C. (1914)

BISHOPSGATE STREET, LONDON, E.C. (late of 48, Threadneedle-street), STOCK AND SHARELEALER. (ETABLISHED TEN YMBRS.)
FOR SALE:—60 Kelly Bray, 16a. 26.; 5 Great Laxey; 25 East Vor, 40s. 6d.; 46 Harrlett, 12a. 9d.; 29 North Chiverton, £2 3a. 9d.; 10 Carr Camborne, 25a.; 3 Great Fortune, £74; 30 St. Day. 21a. 9d.; 5 East Lovell, £14%;; 10 East Russell. £5; 60 Crebor, 40s.; 1 East Basset, £49½; 4 West Caradon, £7½; 30 Haltenbeagie, £5%; 2 Treiswny, £1834; 1 Nanglies; 50 Great South Chiverton; 20 Bryntall; 100 Eacdol-Aur; 10 Greatlile; 10 New Rosswarms; 30 Lady Berlin, 15s. 9d.; 10 Frank Mills; 10 Camborne Vean, £2 8s. 9d.—Dec. 16, 1844.

Griginal Correspondence.

FUND FOR THE RELIEF OF MINERS.

SIR,—Referring to the valuable report of the Royal Commission on Mines, and particularly to the last resolution contained therein—"That the system of Mine Clubs, as at present in general operation, is unsatisfactory, as not providing for cases of sickness as well as of accident," the Commissioners, therefore, suggest "The adoption of such a system of Mine Clubs as would afford the men sufficient maintenance during sickness, as well as while suffering from the effects of accident." This is a consummation devoutly to be desired. Many of the recommendations contained in the report with this chieft are very valuable, and so, are the statistics. mation devoutly to be desired. Many of the recommendations contained in the report with this object are very valuable, and so are the statistics there collected. The opinions expressed by a large number of mining agents, in their evidence on this matter, agree in the main with what I have held for a long time, on the subject of which I should have addressed you before now, but have been waiting the collection of some facts and figures bearing on the point. Mr. Thomas Nicholls, of Tavistock, has on several occasions recommended, through you and other sources, an Insurance Office for miners only; this, however, I think, is open to serious objections. Taking the report of Mr. Brown, the eminent actuary, as the groundwork of the Commissioners' suggestions, I would first notice that, by his calculations, the annual premium required for the payment of 10t. groundwork of the Commissioners' suggestions, I would first notice that, by his calculations, the annual premium required for the payment of 10l. at death, and 10s. per week in sickness, ranges from 2s. 6d. per month at the age of 20, to 30s. per month at the age of 79 years. These calculations are, I believe, considerably too high. This table does not embody the principle of uniting small sums, so as to form a general fund, the young men helping the older ones; and I think I shall be able to show you that this may be done, and in a manner preferable to that suggested by Mr. Brown, and at a much smaller premium. A large majority of the miners are members of provident clubs, securing to themselves from 5s. to 10s. per week during sickness, and a sum of money at death for themselves. per week during sickness, and a sum of money at death for themselves, their wives, and families: the sum proposed by Mr. Brown as sick pay is, therefore, more than is required, as these two sums will make the average gettings of the miner.

Mr. Brown gives the rate of mortality amongst miners as 4 per cent.;

I find that it is about 24 or 3 at the utmost. Again. Mr. Brown sava that

gettings of the miner.

Mr. Brown gives the rate of mortality amongst miners as 4 per cent.;

I find that it is about 2½ or 3 at the utmost. Again, Mr. Brown says that from 2½ to 3 years of pure sickness may be assumed for each death; but, from careful calculations, I find that from 1½ to 2 years is about the average. Mr. Brown makes the allowance for sick at the rate of 5s. per week, equal to about 1½. 7s. per man per year; I make it about 12s. The difference in these figures is considerable, and, as one anxious that the best that can be done should be done for the miner, I should like to see some calculations from one or two of the mining districts in Cornwall. I may say that my figures are made up from a district in Devonshire. Mr. Brown, I have no doubt, made his calculations on what appeared to him good data. I have made mine likewise, aided by a considerable connection with miners, mine clubs, and friendly societies.

Before entering into any srggestions of my own, it will be necessary that I state the principles on which the majority of the Mine Clubs are at presented conducted:—1s. 6d. per month is deducted from each man, 9d. of which is applied to a sick fund, and 9d. to pay a medical attendant for themselves and their families, under 14 years of age. The relief during sickness will average about 12s. 6d. per month—a small pittance for a man, it may be, with a large family dependent upon his earnings. In some cases 14, per month in addition is allowed by the adventurers in case of accident, and in a larger number no sick pay is allowed; but pay exclusively for accidents. The following are some objections occurring to me to the above principles:—1. That the deduction of 1s. 6d. per month is not properly applied; if it were it would be found to be ample for a much increased scale of relief in sickness and accidents, the same medical attendance as now provided for, and a considerable amount left for division amongst the families of the unfortunate men accidentally killed, or cut off in the prime of life b cess and other causes shut up a large number of mines after a brief exist-ence, so that the Sick Fund accumulated during this period must neces-sarily be small and insufficient to meet its demands. But the mischief does not end here. I could name instances where miners have been seriously injured and disabled for life whilst employed in these mines, and what is the consequence? The mine is closed, and these unfortunate men are thrown on the cold mercies of the world, or of a board of guardians, when

they have been subscribing to a fund to provide for such a calamity for, it may be, 20 or 30 years in the different mines in which they have worked. This should not be, and by the scheme I would suggest it could not happen. In some mines you find the other extreme. In large mines in Devon and Cornwall the Sick Fund has accumulated to a large sum; and instances are on record where dividends have been made from this fund, or where a next of the fund has heen applied to the working of the mine. I am sure are on record where dividends have been made from this fund, or where a part of the fund has been applied to the working of the mine. I am sure, Sir, it must appear to the most superficial observer, that if these funds were united into one general fund, much good would arise to the miners and to the community. Mr. Tidd Pratt's rules for a Miners' Provident Benefit Society are in most respects very good; but I would recommend some alterations in the terms of, contribution, amount of relief to be given, and some other particulars; and, for the sake of laying this before you practically, allow me to take the district of Tavistock. This fund should be called "The Tavistock District Miners' Relief Fund." Taking Tavistock as a centre, with a radius of eight miles, the number of miners employed is about 2500. Each man should pay 1s. 6d. per month, as at present. These sums should be kept out on the pay-day by the purser or managing agent, and that he, on the most convenient day following, should hand the same, with a list of the names on the last pay-day, to the treasurer, at Tavistock; such sums to be paid into a bank to the account of three or more trustees, to be chosen from the principal mining proprietors of the district. All sick payments should be made on the production of a certificate signed by the medical attendant, and countersigned by the resident agent. The following calculations will show what I believe such a fund, with the addition of an annual subscription of 2l. 2s. from each mine, will be capable of : will be capable of :-

CREDIT—2500 men, at 1s. 6d. per man per month...... £2250 0 0 Subscriptions and donations from mines...... 150 0 $0 = \pounds2400$ 0

the Taylstock district should be divided into two or three circuits, and the salaries apportioned according to the number of men residing in each.

The allowances on deaths are most desirable. I would here remark, that I think it is but reasonable that where fatal accidents occur this allowance should be supplemented by a contribution from the company, and I believe that no objections would be raised in assisting a fund of this kind. I believe that no objections would be raised in assisting a fund of this kind. These allowances, with economy and right application, would tend a great way towards providing means by which the mourning and bereaved wife might be able honestly to support her fatherless ones. The amount of allowance, 5L, on the death of a young man would be sufficient to bury him respectably, and without cost to his parents or friends. The allowance of 10L is supposing that the miner should leave a family, the youngest under 14 years of age, assuming that all above this age would be able to provide for themselves. The allowance to old men, 5L, would bury them decently, and without cost to their friends or charity from their neighbours. The above are, I believe, good principles upon which to establish a fund

The above are, I believe, good principles upon which to establish a fund for the relief of miners, the details of which would require a large amount of consideration, and I would suggest that some of our practical agents and gentlemen interested in mining industry do give their opinion as to the practicability of this scheme, with any suggestions which their more extended experience than the writer's may enable them to give.

This matter should be taken in hand by some of our larger mining companies, as they would be most effected by the checken.

panies, as they would be most affected by the change. Any balances standing to the credit of sick funds should be transferred to this general account; this would give a good sum to begin upon.

The expenses of management (a small payment yearly to a secretary, and

incidental expenses) would, I calculate, be met by the liberal donations and subscriptions of fortunate shareholders, lords of mines, and merchants. R. H. W.

THE ADMIRALTY STEAM-COAL LIST.

Sin,—Now that the Admiralty steam-coal list has been enlarged by the Imission of North Country coal, the coal owners of South Lancashire and admission of North Country coal, the coal owners of South Lancashire and Cheshire are very properly exerting themselves to obtain a similar advantage for their district. Mr. L. E. Fletcher has been appointed to conduct the experiments in the district previous to sending samples for the official trials, and I believe the coal masters generally are confident of great advantages. trials, and I believe the coal masters generally are confident of great advantage resulting to them from the recognition of their coal by the Admiralty. It is very truly said that the list has now become a commercial standard by which foreign orders are regulated, and as I am quite convinced that our coal would bear very favourable comparison with that of Durham and Northumberland, I look forward to Lancashire steam-coal being ere long as well known in the markets of the world as any in the kingdom. The permission of the Duke of Somerset that the coal shall be officially tested has been already obtained, and I trust that those interested will be kept well informed through the Journal of the progress made.

the permission of the Duke of Somerec that the coal sain to containly tested has been already obtained, and I trust that those interested will be kept well informed through the Journal of the progress made.

In estimating the probable success which will attend the Government trials, we have the gratification of knowing that the Lancashire coal is already used for steam purposes to an extent which North Country coal has never hoped for, and that it has always been found fully to answer the purpose, whilst the competitive trials of Welsh and North Country coal proved that even to burn a mixture of the two coals considerable alterations in the furnaces would have to be made, at an expense which the supposed advantage of the mixture by no means justified. For marine purposes I believe that there is no coal equal to the Welsh, since it undoubtedly is the coal which will take up the smallest space in stowing the quantity required for raising a given quantity of steam, and the raising of steam quickly is very seldom of importance. Wherever space is valuable Welsh coal alone should be used, but for manufacturing purposes I believe that the South Lancashire and Cheshire coal will stand against all rivals. Let the Association exert themselves to get the coal recognised by the Adthe Association exert themselves to get the coal recognised by the Admiralty, and the trade of the district will receive an impetus of the utmost value to them.— Wiqan.

H. P.

MAGNESIUM.

SIR,—Referring to your recent notices of this metal, and more particularly to the paragraph in last Saturday's Journal, in which a Mr. Grant anticipates that "ere long magnesium will be produced as cheaply as zinc," perhaps you will allow me the opportunity to state that the company must perhaps you will allow me the opportunity to state that the company must only be considered responsible for such statements as proceed from themselves or their agents, Messrs. Johnson, Matthey, and Co., of Hattongarden. I may add that, as regards the cheapening of the metal, Mr. Sonstadt's patents afford every facility for manufacturing cheaply, if the demand shall justify such an extension of the works as to manufacture on a large scale. I beg to enclose you a photograph taken in this city at 6 P.M. on Nov. 10 by the magnesium light, which will speak for itself.

Manchester, Dec. 12. J. MATHER, Sec., Magnesium Metal Co.

[The photograph sent, a carte de night ylengthe, both for sharpness and depth of shades.

[The photograph sent, a carte de visité vignette, both for sharpness and depth of shades has all the appearance of a son picture, taken under the most favourable circumstances that could be hoped for in this country.]

COPPER ORES OF LOW QUALITY.

COPPER ORES OF LOW QUALITY.

Sir,—Having read with some degree of interest the several papers which have of late appeared in the Journal, in reference to the suggested improvements on the ultimate process of dressing waste tin ores. I trust the information will be fully appreciated, and found generally beneficial to those interested in tin mines. I am also led to believe, from my own experimental analysis and practical observance, on a small laboratory scale, that improvements are to be made on our low-price copper ores, such as sulphides and arseniates, and generally designated as prites, or yellow ores of low percentage, so as to enhance their present value at no great expense, in returning larger profits to the shareholders, and less labour at the smelting-works. I will take, for instance, New Wheal Martha, selling a conderable quantity of this class of ores bi-monthly: if these ores, after being dressed, were submitted in regular quantities, for a given time, to the ordinary process of oxidation in a large reverberatory furnace, they would be easily divested of a variety of impurities with which they are usually contaminated, and generally form the composition of this particular class of ores. After being sufficiently oxidised, the residue from the furnace would yield a much greater percentage for copper, as well as for silver (which these ores are known to contain, which accounts for the usual purchasers), without at all being deteriorated by this manipulation. By this process the original quantity of ores would be considerably reduced, and prove more proportionately remuerative to the shareholders, if only on the saving effected in the carriage of ores from the mines to the place of shipment. The refuse or waste from these ores might also be made commercially available: the leading mercantile commodity after this process of calcination would be arsenic, at all times easily marketable, and yielding another source of profit to the shareholders. If this mode of operation were carried into effect, and adopted quality pyritic copper ores, before and after their oxidation, both qualitative and quantitative, with their respective products.

General Assay Office, Lisheard, Dec. 13.

M. W. BAWDEN.

CREASE'S BORING-MACHINE.

SIR,—There is a peculiar idiosyncracy belonging to some persons whereby they are apparently obliged to go a round-about way to obtain information. Thus "Mine Agent" (Tavistock) send to London to find out what he might have sooner and easier learnt in his own parish. I

suppose such people cannot help it, and I only object to it because it entails an unnecessary amount of trouble.

For the reason why the machine has not been working, I refer him to Mr. Crease's letter in the Journal of Aug. 6. I never stated that the machine could be seen at work; on the contrary, in the only letter I have written to the Journal on the subject I stated why it could not be seen at work. I shall be cleak to give every information; in my power verspect. written to the Journal on the subject I stated wing to contain the be seen at work. I shall be glad to give every information in my power respecting the machine to all bona fide enquirers, on application, either personally or by letter. Mr. Crease is now fixing his machine at Gard's shaft, and as soon as it is fairly at work it will be open to the inspection of all who are legitimately interested, under the reasonable condition that these and as soon as its larry at work it will be open to the inspection of all who are legitimately interested, under the reasonable condition that these inspections shall in no way interfere with the business of the mine. The trial will be made at the entire expense of Mr. Crease, an agreement to that effect being in the possession of our secretary, Mr. T. B. Laws.

South Bedford Mines, Dec. 14.

W. G. GARD.

WATER-WHEELS AND TURBINES.

Sira,—In last week's Journal your Carnarvonshire correspondent, in comparing the water-wheel and turbine, says, with reference to the latter, that it is liable to get out of order, and that it requires cog-wheels to control and guide it; and as these remarks would very readily mislead those troi and guide it; and as these remarks would very readily mislead those who know no better, and at the same time delay the introduction of this excellent working machine, I beg leave, by your permission, to state from the experience I have had of the turbine made by the North Moor Foundry Company, that it is not more liable to get by the North Moor Foundry Company, that it is not more liable to get out of order than a water-wheel, and I believe that 20s. will cover the cost of tear and wear water-wheel, and I believe that 20s. will cover the cost of tear and wear for five years. As to the latter part of his remarks—about cog-wheels—were they correct, I would only say, better have a machine that could be governed by a cog-wheel, or some other means, than to have one quite ungovernable, as the water-wheel very often is, when working by itself. But as those remarks are not correct, I will endeavour to show it by comparison; and, as slate quarrying is the subject of your correspondent's notes, we will go into a slate quarry, for example, because a water-wheel may drive a set of stamps without a cog-wheel; but so can a turbine drive a circular saw for wood, or a centrifugal pump, or fan blast: but slate-saws or planing-machines are what we have to deal with. We will begin with a water-wheel of (say) 30 feet diameter. a very common size in Wales. or planing-machines are what we have to deal with. We will begin with a water-wheel of (say) 30 feet diameter, a very common size in Wales, and we will suppose it to make four turns per minute; it must then have a cog-wheel or segments (say) 12 feet diameter, driving a pinion of 2 feet, or driving the lines of shafting about twenty-four turns a minute; on this shafting, if for a planing-machine, the drums will be about 8 feet diameter, and if the slabs are hard this will not be enough; if a 4-inch strap is used, it will at once be evident that to drive these large drums the shafting must be stronger than if 2-feet drums were used, as is the case with the turbine; for, if we suppose the turbine runs at 600 turns per minute, having a pinion 12 inches diameter, driving a cog-wheel or main line of

shafting of 6 feet diameter, we get 100 revolutions, and, therefore, drum shafting of 6 feet diameter, we get 100 revolutions, and, therefore, drums of one-fourth the diameter will give off the same power. While the speed of the cog-wheel causes it to be a reservoir of power, and truly a governor quite sufficient to regulate a heavy cut on a planing-machine, which is not the case with a water-wheel, although a heavy fly might be placed in the shafting for this purpose; but then it would require to be just four times the height of that on the shafting driven by the turbine. Your correspondent says, "better bear the ills we have than fly to others that we know not of." It would be well for those intending to speculate in slate quarries to bear this in mind, and also to bear in mind that the money laid out in a turbine is the safest part of the speculation. id out in a turbine is the safest part of the speculation. Maentrerog, Dec. 14.

QUARTZ MINING MACHINERY IN AUSTRALIA.

QUARTZ MINING MACHINERY IN AUSTRALIA.

SIR.—Doubtless there are other readers of the Journal who like myself have been expecting to hear of improvements in quartz mining machinery, as the close proximity of the Welsh gold mines afford to the savene of England such easy access for observation and practical experiments. So far, however, these anticipations have not been realised, and from the account in the Mining Journal of July 2 of a lecture delivered at the School of Mines, London, by Mr. W. W. Smyth, upon the "Mechanical Dressing of Ores," particularly in that portion referring to stamping-machinery, it is evident that at least some of the heads of the mining world at home are not even acquainted with the real progress made in this description of machinery at the Australian mines; and as Mr. Smyth, in referring to our plan of stamping, informs the public that it is objectionable, and "may be consigned without hesitation to the limbo of obscurity." I take the liberty of replying through the columns of your Journal to such a sweeping announcement, by stating that there are scores of stamping batteries, similar to the approved machines of Mr. Smyth, now lying about the gold mines of Australia, until disposed of as old iron, solely because these batteries of Australia, nutil disposed of as old iron, solely because these batteries have been superseded by the introduction of machinery of greater efficiency and economy in working. Experience has proved to the gold mining companies here that the best of the Cornish stamping-mills was but an indifferent machine, clumsily fitted, and constantly needing repairs, and in many of its details not the most suitable for auriferous quartz, however they may be for tin, &c.; and by the substitution of a higher class of workmanship and lightness in design, wrought-iron and steel for cast-iron, fewer parts, less friction, self-feeding arrangements, &c., much more satisfactory results have been obtained. In the item of wear and tear alone is a reduction has been effected from 1s.

did your space permit, to enter into details that could not fail to convince gold mining companies, at all events, that the modern stamping batteries here are as superior to the battery described and recommended by Mr. Smyth as a modern locomotive engine is to the original "Rocket."

We frequently read in the home journals absurd accounts of things Australian, which rather amuse than otherwise; but when lecturers at the School of Mines intimate (in the most disparaging manner, and without ascertaining the actual facts) that the last ten years' experience in quartz mining here has only produced an objectionable stamping machinery, it is clearly time for a refutation to be given to such erroneous statements. Being consulting engineer to several of the largest mining companies, whose mills collectively reduce an average of 2400 tons of quartz weekly, I may be permitted to have an intimate acquaintance with the subject. [I enclose my address, for your satisfaction].—Ballarat, Oct. 25.

D. B. P.

OTEA COPPER MINE.

SIR,—I was glad to see attention drawn in last week's Journal to this valuable mine. Very few undertakings of such merits have been offered to the public on such reasonable terms. Before becoming a shareholder I took much pains to investigate the affair, and I arrived at the conclusion that with good and energetic management the concern can be made a most profitable one in a comparatively short time, and at small cost. The mine has already yielded about 30,000f. worth of ore, with the sld of only a small 8-horse engine, and very rode dressing machinery. According to the reports of several of the most experienced and trustworthy practical agents, there are still thousands of tons of good ore fully 15 per cent. produce) in the limited extent of ground yet opened, which can be returned at a good profit. With the inefficient means hitherto available, the dressing cost was as high as 5t. per ton, while with the new and powerful machinery now sent out this item will not likely exceed 1t. per ton. The mine is on the coast, and the ore is at once put on board barges, which take it to the vessels in a neighbouring safe harbour, so that there is no land carriage—a very heavy item in nearly every other foreign or colonial mine. The wool ships bring it home as ballast, at the nominal prices of 2s. 6d. to 12s. 6d. per ton. The mine is, therefore, situate as favourably as it in this country, except with regard to distance, and this is more than counterbalanced by the quality of the ore, which is three times that of the average of Cornwall and Devon.

I am told that the company intends to confine its attention for a time to erecting the best machinery, and to returning, in the most economical way, a portion of the ore laid open, by which course a large profit will likely be made, the application of which can be devoted to dividends and further development. Captain Holman (a high authority) states that there is proof shown, by the deeper explorations, that the ores are not merely superficial, but it is a vein that will evident SIR,-I was glad to see attention drawn in last week's Journal to this

GOLD MINING IN WALES.

Sir,-Every careful reader of the Journal who takes an interest in this important question must be more and more satisfied that those who constantly affirm that gold will never be found in Wales in s who constantly affirm that gold will never be found in Wales in sufficient quantities to pay the cost of its extraction are likely to find that it is not well to be too positive on any question; it is quite true that should the mines continue to be managed as they have been for some considerable time past it would require more faith than I possess ever to expect any return on the capital expended, but it appears at last that the directors of some of the different companies are alive to the fact that some effort must be made to bring their property into a paying state. From the report of the East Clogau Gold Mining Company meeting, which appeared in last week's Journal, the directors have had the good sense to call in Mr. A. Dean to inspect their property, who after a careful examination has satisfied himself that the property contains gold in paying quantities, and recommends that smillent statements of the sense of the sense of the sense of the company and has ever since given the question great attention, it is not to much to expect that his suggestions will be carried out, to the profit and satisfaction of the directors and shareholders of that company.

Although gold mining in Wales is still in its infancy, yet the drops are increasing, giving signs of a plentful shower after awhile, as any may judge for themselves by reading last Saturday's Journal, wherein I find that the Welsh Gold Mining Company returned Son. 14 dws. 5 grs. of gold from 12 cwys. of quarts, for one weak, from the

reading last Saturday's Journal, wherein I find that the Welsh Gold Mining Company returned 5 czs. 14 dwis. 5 grs. of gold from 12 cwts. of quartz, for one week, from the Britten's; Castell Cara Dochan, 2 czs. 4 dwts. 12 grs. from 19 cwts. of quartz, also one week; and Gwynnfy mydd Gold Mining Company, 6 czs. 2 dwts. of gold from 4 tous 11½ cwts. of quartz. After the stamps are at work both at the Vigra and Clogau and the Welsh Gold Mining Company's Mines, it will require a very bold person indeed, and blind as well, to deny that gold mining is not only a fair speculation, but a highly profitable one.—Dec. 12.

EAST GRENVILLE MINE.

EAST GRENVILLE MINE.

SIR.—Will you, with your usual love of fairness, allow me space to reply to the remarks of Messrs. Watson and Cuell in last Saturday's Journal—namely, that "A difference of opinion seems to exist as to the real state of the 75, that of Capt. C. Thomas being favourable, and that of a Mr. A. James being quite the reverse. Time will soon show who is right; in the Interim, it is only fair the public should know that while Capt. C. Thomas is the first and most honest practical authority of the day, the other who is doing all he can to injure the property, is a jobber in shares." Thus insinuating and attributing to me motives unworthy of any honest man. If they could disprove or gainany a single statement that I have made, it would not trouble you with the following remarks. In the first place, I beg to ask, if Capt. C. Thomas's report is so very favourable why do not they publish it, for the good of the public, and the benefit of shareholders generally? I know Capt. C. Thomas quite as well as Mesers. Watson and Caell, and if he has given as faithful a report of East Grenville sae hed id of Wheal Grenville, some seven months ago, he will not only have done credit to himself and the county in which he resides, but to the mining community at large. That report was published, and the record from 12.1 to 41. One, the present prices.

Messrs. Watson and Cuell say the ore is dipping west from East Grenville into Wheal Grenville, but I should like to know the reason they can give for such an assertion. I will give but one fact respecting East Grenville, and then leave the matter entirely in the hands of Messrs. Watson and Guell to answer at their leisure. The central part of the winze sinking under the 65 is about 29 fms. west of shaft, or a little short of 8 fms. to the west of where the ore was first met with; the winze is being sunk in the richest

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de. The lode in the western end is about 18 in. wide—hard, and scarcely ore to value, whilst the lode in the eastern end is 4 ft. wide, and for 3 ft. long per fm. I think it must be evident to every impartial mind that there are at present of a westerly dip; if there were, the lode would be widest and a western end of the winze, but such is not the case. It is my opinion if a ore be met with in the 75 it will be quite independent of what has been gi in the 65.

ABRAHAM JANES.

HALLENBEAGLE MINE MANAGEMENT.

HALLENBEAGLES MINE MANAGEMENT.

13.—Insticed in last week's Journal a letter signed "T.," but it should, I think, have other initials. The writer is, however, in error as to the rods sold the mine by stocker initials. The writer is, however, in error as to the rods sold the mine by stocker in the stocker of the sold of the sold

MINING IN AUSTRALASIA-MONTHLY SUMMARY. [FROM OUR OWN CORRESPONDENT.]

MINING IN AUSTRALASIA—MONTHLY SUMMARY.

[FROM OUR OWN CORRESPONDENT.]

ADELAIDE, OCT. 27.—Since my last nearly all the mines at work in a colony have made some improvement, several of them having done is a considerable extent. The MOONTA now quite outstrips the Burra the quantity of ore raised, and scarcely in the palmiest days of the old of did it show results equal to those recently exhibited by its young il. I was for some time sceptical as to the superiority of the Moonta—sist in results—as a wine. I believe all practical men would agree that the Moonta with the scape of the moonta of the moon

stinds to the 75. There is, therefore, a considerable extent of ground in reserve, an a contain large deposits of ore.

JICTORIA.—No changes of any especial importance had occurred on the ifields within the previous few weeks. The tendency still was towards as increase in the amount of deep sinking, but not one of the late is had assumed large proportions. The boring-rods have disclosed eigence of gold in many likely-looking places, and the more widely the search is shed the harder it seems to be to set any limit to the branching and ramification has deep leads under a large tract of country. The late mania for shares has greatly limid the formation of companies, and there will now be no want of capital for all quies of the kind with any promise of success. The continued success at the principal seal companies at Ballarat will be best learned from the returns obtained during sit quarter. Of these, the Band of Hope Company now stands first on the list, with sid 6333 ounces, and a payment of 24,000f. In dividends; the Kohl-noor Company as washed out 6537 ounces of gold, and paid to its shareholders 15,600f. during that there company at all approaching these in the extent of its operations, and the stay of gold obtained by it was 3036 ounces, out of the proceeds of which the large side of 10,900f. was paid in dividends. A number of the smaller companies, too, stig well just now. The St. Arnaud Silver Mines, also, are showing a large at of metal. As may be supposed, this late increase in the yield of so many of these has intoxicated many imaginations. Lydiar-street, Ballarat, was for weeks along took axchange, and brokers were making fortunes. I know of one barrister as 500, for a share in a quartz reef at Wood's Point, which share became worth it, a few weeks afterwards. But I am told that such prizes as these are rather diamong the leading "refers," many of whom have rapidly made very large forts be sometimes lost again as rapidly by this engrossing sort of lottery.

to be sometimes lost again as rapidly by this engrossing sort of lottery.
clearances of gold during the week ending Oct. 22 have amounted
desa, making the total shipments since the commencement of the present year
Boxt.; of which quantity 1,233,678 ozs. were the produce of Victoria, and
cas. transhipments from New Zealand. The shipments made from Molbourne
the corresponding period of last year were 1,251,130 ozs. of Victorian gold, and
less. of New Zealand gold, giving a total of 1,568,220 ozs.

e Otago Times reports that gold fields on all sides are improving,
quantities of the precious metal are being obtained, fresh ground is being opened
figs is being carried on on a large scale, and no one seems to deny that there are
businesseents to justify a considerable accession to the mining population."

ments to justify a considerable accession to the mining population."

South Australian (Burra Burra) Mining Association meeting owed that the yield of ore for the six months ending Sept. 30 was \$462 tons, contain an average of \$22 per cent. of metallic copper. At the beginning of there were upwards of \$95 tons of copper on hand, and during that period as have been received from the Smelting Company for ore delivered, being its more then \$23 tons. Of this amount 100 tons have been exported to for sale, \$405 tons have been sold in the province, and very nearly 123 tons on hand. The final balancing of the accounts to March 31 shows that during '4189 tons of ore were raised, at a cost of 38,1691. 13s. 9d., or \$1.2s. 2d. per \$4,1871. 10s. 6d., or 12l. 8s. 8d. per ton, leaving a nett profit, therefore, of 9d., or \$31.16s. 8d. per ton. These results, when compared with those of half-year, show that while the ore was less in quantity, and did not realise me guinea a ton, the expenditure was so far diminished as to leave the gross by upwards of 2000l. To these profits are to be acided 1000l. for rents.

I, for fees received during the balf-year under review, making the total profit 3d., from which the 54 dividend, paid on the 3d uit, has been written off, along his paid on the 3d uit, has been written off, along his paid on the 3d uit, has been written off, along his paid on the 3d uit, has been written off, along his paid on the 3d uit, has been written off, along his paid on the 3d uit, has been written off, along his paid on the 3d uit, has been written off, along his paid on the 3d uit, has been written off, along his paid on the 3d uit, has been written off, along his paid on the 3d uit, has been written off, along his paid on the 3d uit, has been exhibited the second of \$1.000 to the second of \$1.000 to \$1.0 2. 19s. 3d., from which the 54 dividend, paid on the 3d uit., has been written off, for remains a sum of 7491. 17s. 3d. to the credit of profit, covering all the transsitude of the state of the second of the seco

ithe Moonta Mining Company meeting, on Sept. 30, the accounts for the Moonta Mining Company meeting, on Sept. 30, the accounts for the Moonta Mining Company meeting, on Sept. 324. 14s. 2d.; at mines, and "dis, 341. 15s. 6d.; copper receivable for ores delivered at smalting works, 11,0407. The divident (30; per share) was paid on Oct. 1, and the eight of like amount in it. Notwithstanding the suspension of the works for 10 weeks, in consequence linkappy strike of the miners, which necessitated the omission of a quarter's di-the affairs of the company are at the present time in a very satisfactory state. distely on resuming operations, Capt. Hancock was instructed to raise as large a dy ofer as possible, consistent with the future and permanent development of its. An additional number of men were at once set to work, and the captain has list ogive attention to the sinking of a great number of shats, the works in which which groscouted with considerable vigour. The number of persons employed company is 629—at the mines, 12 officers, 396 miners, 23 mechanics, 7 stable-18 labourers, 34 boys; and at Adelaide, 2 officers. The weekly wages of the 34s from 36s. to 45s; of mechanics, from 40s. to 70s; of labourers, 30s. to 35s.; 3, from 6s. to 34s. The report shows the extraordinary productiveness of the 3 Mines, and the extent to which they add to the wealth of the colony. It is only lare years since the mine was discovered and operations commenced, and now as 630 persons employed on the spot, who represent a population of, probably,

not less than 2000 souls, and these are rapidly increasing. All that is necessary still more largely to develope the great resources of the mines is additional labour, and that it will be seen is being supplied as fast as circumstances will permit. When the last ball-yearly report was presented there were only 46 persons employed in connection with the mines, so that a large increase has taken place during the six months.

AUSTRALIAN MINES.

with the mines, so that a large increase has taken place during the six months.

AUSTRALIAN MINES.

KAPUNDA.—The quantity of ore raised in August was 241 tons, of 18% per cent. average produce, equal to 45% tons of pure copper, exclusive of 66 tons of sulphur ores for flux. The quantity raised in Sept. is estimated at about 200 tons, wet weight, and of good produce. Since the date of the last advices 62 tons of copper had been shipped, per Gooles, Adelaids to Londen.

YUDANAMUTANA COPPER.—The superintendent (Adelaide, Oct. 26) states:—"I have great hopes of overcoming the difficulty of cartage occasioned by the late drought, as the representatives of Mesers. Cobb and Co., carriers, of Melbourne, are examining the district with a view of placing their horse teams on the road. We have 33 tons of first-class ore, and 7 tons of copper ore, on the road to port." Capt. Anthony reports, under date of Oct. 15:—"Billman Mines: During the past morth we have employed only 13 men on underground work, as we have a larger quantity of ore already broken than we have drays to take to port. Three men have been sinking a winso the course of the lode, with a set of the lode, with a set of the lode, with a set of the lode is standing unbroken. The branch of ore on which the winzs in the 'big bunch' is being such as about paid for sinking, and sgood tole left in reserve. The 10 fm. level, in facility of the course of a week be down to the 20. The main portion of the lode is standing unbroken. The branch of ore on which the winzs in the 'big bunch' is being such in the course of a week be down to the 20. The main portion of the lode is standing unbroken. The branch of ore on which the winze in the 'big bunch' is being such as about paid for sinking, and a good tole left in reserve. The 10 fm. level is now open from No. 1 to No. 4 shaft, and has laid open a splendid run of ore ground for many fathoms in length very such security. The such security of the such security of the such security of the such security of the such security of

advantageously. The survey of the mine is completed, and a tracing will be forwarded by next mail.

YORKE PENINSULA.—Extract from letter of Chairman of committee (Adelaide, Oct. 26):—"We have lately paid a visit to the Kurilia Mine, appointed a captain, an engineer, an accountant, taken over stores and movable plant at a valuation, gone thoroughly into the details of management at the mine, and put everything in train for an immediate resumption of active operations as soon as the machinery is cleaned, which Capt. Warmington informed us would be all in order this week. Mr. Elder and myself intend visiting Bon Accord next week, to go through the inventory of stores, and decide upon what portions should at once be removed to Kurilia. We have invited tenders for the cartage of the portable engine, &c., and we hope to see it started on its way to Kurilia." A 20 horse power steam-engine is already fixed on the mine, and its use is included in the lease of the Kurilia property.

ENGLISH AND AUSTRALIAN COPPER.—On Oct. 27, the quantity of coal at Koorings was 826 tons; at Kapunda 287 tons; and at Fort Adelaide, 486 tons. There were four furnaces at work at Koorings, and four furnaces and one refinery at the Port Adelaide works. Since date of last advices further shipments of about 153 tons of coper had been made.

at Kooringa was 826 tons; at Kapunda 287 tons; and at Fort Adeilade, 485 tons. There were four furnaces at work at Kooringa, and four furnaces and one refinery at the Port Adeilade works. Since date of last advices further shipments of about 153 tons of copper had been made.

PORT PRILLIP AND COLONIAL GOLD,—Mr. Bland reports that at Clumes, in September, the quantity of ore crushed was 5373 tons, yielding 2721 ozs. 6 dwts. of gold, being an average of 10 dwts. 3 grs. perton. The total receipts were 5121. 5s. 3d.; payments, 16331. 12s. 11d.: leaving a profit of 34871. 12s. 4d. During the first fortnight of October 1949 tons of quarts had been crushed, yielding 546 ozs. 16 dwts. of gold. Mr. Munday states the mine looks well throughout, and so far as opened out gives promise of full returns. There appears to be above the 300 ft. level about 2½ years' quantity of quartz in sight, and I make no doubt this quantity will be kept up. The south ground, which has been explored a considerable extent during the last six months, will in being further opened out produce us a very large quantity of mineral. The prospects of the company for the current year are, I consider, very favorable. The mine is in course of being well opened out, the north shaft being 464 ft., and the south shaft nearly 400 ft. deep, and gives promise of supplying as with a large amount of material that will pay well to reduce; and as our costs will this year sensibly diminish, there will be a larger sum available for profit with even the same yield, and we may with safety calculate upon a considerable improvement in this respect. The agreement entered into with the Clumes Company, to place the mine and crushing works under the management of this company, has been confirmed by the Clumes shareholders. A remittance of 23001, has been received by this mail.

SCOTTISH AUSTRALIAN.—Oct. 21: The Lambton Colliery viewer (Sydney, one collection) and continuing to be reported on most favorumbly on all hands. . We consider ourselves in a position to do a very fa

MONT CENIS TUNNEL.—The whole length of the tunnel between Modane and Bardonéche when completed, will be 12,220 metres. The machine used for the purpose is M. Sommelier's perforator, set in motion by compressed air. It consists of a piston working horizontally in a cylinder, and used for the purpose is M. Sommener's periodade, pressed air. It consists of a piston working horizontally in a cylinder, and carrying a chief aked upon it like a bayonet, which at each stroke dashes with violence against the rock to be pierced. Each time the chief recoils, it turns round in the hole, and as the latter is sunk deeper and deeper, the frame or shield, which carries, not one, but nine perforators, advances in proportion. While the chisel is doing its work with extraordinary rapidity, a copper tube of small diameter keeps equirting water into the hole, by which means all the rubbish is washed out. Behind the shield there is a tender, which, by the said of a pump set in motion by compressed air, feeds all these tabes with water. The noise caused by the simultaneous striking of all the chiesis against the rock is absolutely deafening, enhanced as it is by the echo of the tunnel. All at once the noise ceases, the shield rescales behind it, and the surface of the rock is preceived riddled with 80 holes, varying in depth between 80 and 90 centimetres. These holes are now charged with cartridges, show matches burning at the rate of 60 centimetres per minute are inserted, and the workman retire in haste. The explosion seems to shake the moustain to its roots; when all is over, the ground is found covered with fragments of

the rock, and an advance equal to the depth of the holes has been obtained. On the Bardonéche side this year the average advance per month has been 50 metres; on the Modane side it has not exceeded 38 metres per month, owing to the greater hardness of the rock on that side; the restill remains a length of about 820 metres to be got through. When completed the tunnel will have required the piercing of 1,220,000 holes, 550,000 kilogrammes of gangowder, 1,550,000 metres of alow match; the number of hayonets rendered unserviceable will amount to 2,450,000,—Galignani's Messenger.

Meetings of Mining Companies.

WHEAL TRELAWNY MINING COMPANY.

A general meeting of shareholders was held at St. Helen's-place, on rednesday. Mr. RICHARD HALLETT in the chair.

Wednesday, Mr. Richard Hallett in the chair.
Mr. W. J. Lavington having read the notice convening the meeting, the minutes of the last were approved.
A statement of accounts for the three months (ending with the cost for September) was submitted, from which the following is condensed:

Sales of silver-lead ore (July, August, and September).....£5042 10 9

EAST WHEAL RUSSELL MINING COMPANY.

and our efforts are continually directed to making and maintaining a footing in all destrable quarters." Side tones considered to see table to the Exhibition to be strable quarters." Side tones consumers. See the second of the

ore gone down in bottom of the 126, we cannot out consider that the prospects are very cheering.—J. Richangs. J. Goldsworthy.

The Secretary, in reply to a question, stated that the October cost had been paid; the returns of that month had been received, and in the assets was included all the ore that had been soid.——Mr. Bradler drew attention to an important omission in the report, as to the amount of ore that would be returned during the current quarter.

Mr. Peren Warson enquired if at the 120, when they were cross-cutting into the lode, it were of any value?—The Chairman thought not, and stated that in the 130 it had been of value, although not yet under the best part of the lode in the 120—indeed, there were 10 fms. yet to drive in the 130 to reach that point.

A Sharkholder wheled to know if any information had been received in London with regard to the prospects of the mine before it was known at the office?——The Chairman was all the committee had no knowledge of the subject.——Mr. Bradler said, from the replies made by Capt. Goldsworthy at the last meeting he did not expect to see him present at this meeting.——The Chairman considered it was a pity these things were not brought forward when Capt. Goldsworthy was present.

A Sharkholder said it was perfectly certain that information did centinue to arrive in London long before it was known at the office.——Mr. Perker Warson, referring to the prospects of the mine, considered it was a most encouraging feature that the lode was in every respect more promising in the 130 than in the 120, although in the 130 they had yet some 10 fms. to drive to come into the best ore-bearing part of the lode.

A Sharkholder said it was a significant fact that some of the principal shareholders

In Devon Great Consols had recently become interested in East Russell, and the more especially so when it was recollected that Capt. James Richards was the manager of both mines. —A call of 7s. 6d, per share was made. A vote of thanks to the Chairman terminated the proceedings.

BRYN GWIOG MINING COMPANY.

BRYN GWIOG MINING COMPANY.

A general meeting of shareholders was held at the offices, Broad-street-buildings, on Tuesday,—Mr. J. Balster in the chair.

The notice convening the meeting having been read, the minutes of the last were confirmed. A statement of accounts, made up to the end of Nov., was submitted, which showed a credit balance of 500!.

The report of the agent (Capt. Evans) was read, as follows:—

Dec. 19.—In the 103 east the lode is large, but at present much mixed with limestone, and poor for lead; as there is a good lode before this end, as seen in the bottom of the 90, we look for an early change for the better. The 90 east will produce 15 owts, per fin. A stope behind is worth 2 tons per fin. In the 90 west, on the run of ore, it will produce it ton per fathoms. A pitch in the 85 east is worth 15 owts. per fin. The 75 east is in shale, and poor at present; our object in driving this level is to cut the run of lead ore worked on in the upper part of the mine, and I consider this level a good speculation to drive, as should we cat this run, of which I have little doubt, it will be most important for the mine, seeing it will discover a considerable height of ore ground. The two pitches below this level will produce from 1 to 2 tons per fin. A pitch in back of the 75 west will produce 1 ton per fan.; ground rather hard for opening.—In fact, all our ground is hard for working. In back of the 65 we have two pitches, which will average about 1 ton per fathom. At new shat, on the western part of the mine, the 20 cross-cut north, we think there is an east and west lode coming in; this will be proved in two or three days, when I will report more fully on it; this lode to the west of our boundary produces well for lead, and seeing we have a long line on this lode in our sett, it is rather an important feature to develope. The returns from the mine, judging from present appearances, will be about the same as the last quarter, from 40 to 50 tons per month, at a cost of about 500?. The 40 tons add on the 8t

Mr. W. Micress., replying to a question as to the assets, stated that there was at the ankers about 530t, a parcel of lead ore (not paid for) of the value of 600t, and blends o the value of about 100t, so that the financial position of the company was never so good as at the present time.

Mr. F. G. Laxes enquired if there was not something owing to merchants?—Mr. Wiccess and that the assets were more than sufficient to pay off the whole of the out-tanding liabilities.

MICHELL said that the assets were more than sufficient to pay off the whole of the outstanding lisabilities.

Mr. C. Powell, referring to the general prospects of the mine, said he had understood that the read object which the present company had in view when they took up the mine—the reaching of a certain deposit of ore, partially developed by the former workers—had not yet been attained. He should like to know if such were the case?

Mr. W. Michells aid it was perfectly true that the particular course of ore to be sought after when the mine was started by this company had not yet been seen, but as soon as they resumed the sinking of the old shaft and came upon the white limestone, they expected to meet the same course of ore which the former workers had, 12 ft. wide. It was generally supposed by experienced miners that as soon as the white limestone was reached they would get into soft ground, and the returns of lead would be considerably increased—that would be ascertained in 10 fms. sinking.

Mr. Cousiss wished to know if the costs were likely to increase, or otherwise?

Mr. Michell asid it was estimated the costs would be about 500f, per month, against which there would be a monthly produce of from 40 to 50 tons of lead, of the value of about 14f. 10s. per ton, in addition to which there would be some blende. The mine was now provided with ample plant and machinery; they had a good pumping engine drawing engine, and a crusher, that could return 300 tons of ore per month just as cheaply as they could return 50 tons.

Mr. P. G. Lank supposed that Mr. Michell anticipated the mine would make profits from this time.——Mr. Michell and of the beinge here and the mine would be appointed to the blende.—The report was ordered to be entered on the minutes.

The meeting then proceeded to the election of a secretary in the room of the late Mr. Dunsford.

Mr. Occusion supposed that Mr. W. Michell should be appointed to the office, which Mr. Mconstr.

The meeting their processes to the Communication of the office, which was seconded by Mr. C. Powell.

Mr. C. Cousins proposed that Mr. W. Michell should be appointed to the office, which was seconded by Mr. S. Elens proposed Mr. W. Ward, which was seconded by Mr. S. Wannell.

Upon the question being put, it was found that there was 250 (shares)votes in favour of Mr. Michell, and 186 in favour of Mr. W. Ward. Mr. Michell was accordingly appointed secretary. The general meeting was adjourned till Monday, in order that the statement of accounts should be revised, and submitted in a more extended form.

GREAT SOUTH CHIVERTON MINING COMPANY.

A general meeting of shareholders was held at the London Tavern, Bishopsgate, on Thursday,—Mr. G. P. Green in the chair.

Mr. H. CHAPMAN (the secretary) read the notice convening the meeting, and the minutes of the last were approved.

A statement of accounts for eight months (March to October) was submitted, from which the following is condensed:—

Call made, April 14 (10s. per share)				£3000	0	0
Labour cost for eight months	£712	1	6			
Merchants' bills	224	10	3			
Advance of dues	210	0	0			
Advertising, printing, and sundries	160	4	7			
Law charges	65	0	0			
Secretary, eight months	67	4	0			
Discount on calls paid	59	2	6=	1498	2	10
Leaving credit balance				£1501	17	2

where vast quantities of lead were broken beneath the quarry. The underlie and direction of the lodes, as well as the position and locality of the mine, are all that can be desired, while the continued richness of West Chiverton adjoining, and the very encouraging appearance of other mines in the neighbourhood, afford the strongest assurance that we have a good mine before us here, which we shall use every effort to open up as fast as possible.—J. Nancamow, J. George.

raging appearance of other mines in the neighbourhood, afford the strongest assurance that we have a good mine before us here, which we shall use every effort to open up as fast as possible.—J. Nascarnow, J. George.

The Chaiman said, by the reports just submitted the shareholders had been fully informed of the position and prospects of their undertaking. These reports were so detailed that they did not require any observations from him, for there could not be a divided opinion as to the intrinsic merits of the property. It was agreed on all bands that the one thing needfail was capital to develope the admittedly valuable resources of their property, and, therefore, be hoped the shareholders, remembering that fact, would do their best to practically demonstate to the world in as short a time as possible that in Great South Chiverton they possessed a property of no ordinary value. He concluded by moving that the agents' report and the accounts should be received and adopted. Mr. Wills had much pleasure in seconding the proposition. From a personal investigation of the property, he was satisfied that a great deal of work had been done at asmall cost. —Mr. J. Halman considered that the meeting should have been called earlier.

Mr. W. Lelkan said that the meeting had been deferred becouse it had been thought that a lode would have been cat.—Mr. Welkas was certainly of opinion that everything had been done that could be done to advance the company's interests.

The Chaiman mentioned that he had been down to the mine, and was perfectly satisfied both as to the property; but for the astisfaction of some of his friends, he had written to Capt. Nancarrow, and, in reply, had received a communication, which he had written to Capt. Nancarrow, and, in reply, had received a communication, which he had written to Capt. Nancarrow, and, in reply, had received a communication, which he had written to Capt. Nancarrow, and, in reply, had received a communication, which he had written to Capt. Nancarrow, and, in reply, had received

I think the time is not far distant.—John NANCARROW.

The reports and accounts were unanimously received and adopted. The committee of management elected for the next three months were—Sir William Smith, Bart., and Messrs. Henry Wills, Albert Milsted, B. Weston Welles, and William Leican. It was unanimously resolved that the thanks of the meeting be accorded to Capt. John Nancarrow and Capt. John George, with confidence in their mode of working. A vote of thanks to the Chairman terminated the proceedings.

WEST CARADON MINING COMPANY. A general meeting of shareholders was held at St. Helen's-place, on Vednesday.

Mr. RICHARD HALLETT in the chair.

Mr. W. J. LAVINGTON read the notice convening the meeting, and the

initutes of the last were approved.

A statements of accounts for four months (ending with costs for Oct.)

vas submitted, from which the following is condensed:

 Mine cost (July to October)
 £3613 14
 9

 Merchants' bills
 888 15
 6

 Dues
 201
 3
 3

 Interest and account
 5
 7
 6 = £4709
 1
 0

 Copper ore sold (September and October) 3216 10 1 Leaving debit balance£1492 10 11

The general balance-sheet showed a balance of assets over liabilities of 318;, 12s. 3d.

working of the mine, believing, as we have before expressed, that when these points of interest are properly proved it will result in success.—Wh. JOHNS, R. TRATHEN. The CHRIMMAN said that before proceeding to the consideration of the report and accounts, it would, perhaps, he better for him to refer to the course the committee had adopted since the last meeting. As soon as he (the Chairman) heard of the lamented death of their late secretary (Mr. Dunsford), he immediately proceeded to the office, and examined the books of the company and the banker's book, the whole of which, he was happy to say, were found in order and perfectly correct, and the accounts duly posted up. Upon such an emergency it was imperatively necessary that some qualified person should be appointed to take charge of the company's affairs, and accordingly Mr. William J. Lavington, who was well conversant with mining accounts, was appointed (pro tem.) to the vacant office. The manager (Capt. Johns), as well as the purser, came to town, when the committee took the opportunity of considering if any reduction could be legitimately made in the general working of the mine, which resulted in the reduction of the salaries of the staff of some nine guineas per month. As regards the mine, he (the Chairman) found upon conversation with Capt. Johns, whom he had known for several years as a most reliable and trustworthy agent, that it was not desirable to reduce the tutwork operations, because by so doing they would lessen the chances of making discoveries. Captain Johns considered that the general prospects of the mine were incomparably better than they were a few years since, before the payment of dividends was resumed, and that not the least important point was the reaching of the junction of the two lodes at the next deepest level, when they would know whether West Caradon was again to be a rich mine or otherwise.

Mr. Niconzow did not consider the committee were altogether justified in adopting the course they had without the consent of a general m

mittee with regard to the temporary appointment of Mr. Lavington and the minutes adopting the course suggested by the Chairman—either to confirm or annul the minutes of the committee meeting at which the appointment was made.

Mr. Nicholson said that Mr. W. Ward, who from having occupied for so many years the position of managing clerk to Mr. Dunsford, could not but be fully acquainted with the details of all the mines under Mr. Dunsford's management; and for that reason he (Mr. Nicholson) considered Mr. Ward a fit and proper person to be appointed secretary.

The Chairman said they all knew the necessity of action in cases of emergency, and a meeting of shareholders could not have been convened within 14 days. From his long connection with the company as a member of the committee, he considered he possessed the confidence of the shareholders, and feeling a certain responsibility, he had acted according to his judgment for the best interests of the company. As farsa Mr. Ward's according to his judgment for the best interests of the company. As farsa Mr. Ward was concerned, he (the Chairman) did not know until after the arrangement had been made that it was Mr. Ward's intention to put himself forward.

The minutes of the committee (appointing Mr. W. J. Lavington as secretary) was unanimously confirmed.

Mr. Peter Watson wished to know if the shareholders were distinctly to understand

Internative or the communication and the state of the communication and the unanimously confirmed.

Mr. Peter Marxon wished to know if the shareholders were distinctly to understand that the accounts were perfectly regular?—The Chaimman said that the whole of the accounts were in perfect order; the only question that had been raised was with regard to Mr. R. Michell's account, for which a balance cheque had been signed.

The report was ordered to be entered on the minutes, and the accounts were passed and allowed.

and allowed.

The CHAIRMAN said the next question was one of finance. The mine was in debt to
the merchants 24001, and as many of those merchants were now pressing their claims,
and as the less upon the four months was 14921, he should recommend a call of 21, per
share. — Mr. E. Coox said by making the call proposed the company would be placed

share. — Mr. E. Cooke said by making the call proposed the company in a sound financial position.

Mr. Richard Hawke suggested that the 50 shares in the Caradon and Looe Railway, the property of the West Caradon Mine, should be sold by public auction. — After some discussion, upon the proposition of Mr. R. Hawke, seconded by Mr. Nicoloxo, it was unanimously resolved that the committee be authorised to dispose of the said shares. The Charman the proposed that a call of 21, per share should be made. — Mr. E. Cooke seconded the proposition, upon the ground that it was at all times desirable to have a sufficient capital in hand to meet all requirements. As for the next five or the proposition when the proposition is most in the proposition of the p

sufficient capital in hand to mose an arrived of a heavy loss, calls in proportion the they must look forward to the incurring of a heavy loss, calls in proportion made.—A call of 27, per share was made.

An arrived a proposition that the qualification for a member of the

committee should be 15 shares.—Mr. Peter Warson could not see the value a qualification, insemned as at each general meeting the committee retires sharebolders could elect whoever they thought fit.—A proposition was perseconded, that the qualification for a member of the committee should be 15 at The motion upon being put to the meeting was lost.

Upon the question of the re-election of the committee, Mr. Richard Harwight with the proposition of the committee of the cited by the meeting to allow himself to be appointed a member, but he dedicated the proceedings.

sittee, Mr. Richard Hawks wa

WEST WHEAL VOR MINING COMPANY.

A special general meeting of shareholders was held at the office company, Austinfriars, on Monday, Mr. William Gundry in the chair.

Ompany, Austinfriars, on Monday,

Mr. William Gundry in the chair.

Mr. J. H. Murchison (secretary) read the notice convening the meni
The Chairman said that the object for which the shareholders had be
called together upon the present occasion was set forth in the notice just read; in,
fore submitting the proposal which the committee had prepared, he might mention
about a week since Capt. Thomas Richards had called upon him and Mr.
about a week since Capt. Thomas Richards had called upon him and Mr.
about a week since Capt. Thomas Richards had called upon him and Mr.
about a week wheal Vor Company the sett known as West Wheal Metal, for the
of 260L, and the expenses of the lease. There could not be a divided plant that acquisition, and materially enhance the value and general prospects of the su
prise. It would, perhaps, be remembered that some short time to a contoverny a
place between the promoters of West Vor and West Metal as to the direction which
rich Wheal Metal lode (so increasingly productive in Great Wheal Vor) took by
the Great Vor boundary. Without wishing to re-open that question, or to rise to
comparative merits of the two setts, he might state that if the proposed offer exaccepted it would altogether remove any doubts so far as the present company
concerned, because possessing both setts the Wheal Metal lode could be worked where
were it was found within the limits of the two setts. There was no doubt that
Wheal Metal lode was in West Wheal Vor sett; but, at the same time, by the exsition of West Metal that lode could be developed to a considerably greater extent.
Mr. P. Manszth, fully coinciding with the desirableness of acquiring the West
Wheal Metal, and adoption and be acquired for such a nominal amount a
stated by the Chairman, enquired its extent?—The Chairman and that it was
400 or 500 fms. wide, and 400 fms. long. It was immediately contiguous to West
northwards, and adjoined the Wheal Metal part of Great Vor to the west.
Mr. Wrans enquired the probable cost of obtaining the leases?—

TRUTH'S ECHOES, OR SAYINGS AND DOINGS IN MINI

TRUTH'S ECHOES, OR SAYINGS AND DOINGS IN MINITHE MINING Share Market continues to improve, and a fair amount of business been transacted. The enquiries for leading mines are fully maintained, and littersuit in large transactions. The customary fortnight account took place on Thur the preparation for which and the settlement, as usual, interfering with general leading the property of the property of the property of the current account where the consequently a more busyant market may be looked for during the current account where the control of the current account where the customary for the current account where the customary of the current account where the customary of the current account where the customary of the customary o

inave shared freely in the transactions of the week, and, notwithstanding the fittions, have a strong tendency to improve—GREAT EAST LOYELLS continue firm, sent prices.—GREAT WISLA VORS are in daily request, and aumerous desiling been reported.—EAST VORS have been less active this week.—SOUTH LOYELS of the market rates.

EAST CARADONS are daily dealt in, but have slightly varied,—MARKE VALES firm at improved rates.—WEST CARADONS are offered at lower figures.—TREATS sought for at minimum prices.—New Martia and KELLY BRAY have been deal appear firm at uposed figures.—EAST WHEAL RUSSELLS have fluctuated, but quest.—CREATORS are rather firm at present rates.—LADY EBETURE have been inguined, and considerably advanced in consequence of recent improvements.—Fast have been enquired for, and freely dealt in at improved prices.—Note this week, but the mine continues to look well.—HAVANS have deal hands rather freely at nominal prices.—LADY BERTIAL is reported to have further proved in the new shaft, sinking below the 40. The lock is reported to be yield to too for oper fathom. From this place to the surface is full 60 fins, and in whole ground great results are anticipated. There are several other points to operations are being directed, especially east of the great cross-course, where in discoveries are fully expected.—KELTS BRAY continues to hold out very consistent of the properties of further improvement, especially in the 60 cross-cut north, when it and in the properties of further improvement, especially in the 60 cross-cut north, when it applied approaching the lode, and the 70 ceat, at which points some discoveries are fully expected.—KELTS BRAY continues to hold out very consisting the follows. The 20 cent and a small parcel of tin, about 1007, worth 50. per fan, and improving a they of West States of the 30 cent states.

NORTH DEVOX continues to look remarkably well, and the more the lodes are looked to the 50 cent should be compared to the sought of the size of t

From Mr. William Lelean:—Two or three weeks have made disference in the condition of the Mining and Share Market. The prophets of not only turned out to be mere twaddlers, or tricksters, but are now—some of congratualiting the public on an escape from the panic they were so seducingly to bring about, and taking credit to themselves for having been the only of the people at the time of the impending danger. Impudence is, no doubt, a valual in a professional juggler, but in those who take upon themselves the function ing public opinion and action in the investment of moneys it is not regarded w favour, and will certainly not be accepted as a substitute either for job honesty. I take no credit to myself for the course which I have follows or five months past. I could see no good reason for a panic, unless it was about by the reckless statements and unscruptions averenments of many of a most feel heartily ashamed of their handlwork, and are trying to slink out of most of the place themselves; and I stated my convictions and it on which they reacted, doing only what every man should do, as far as he has included in the state of the place themselves; and I stated my convictions and it on which they rested, doing only what every man should do, as far as he has included in the state of the place themselves; and I stated my convictions and it on which they rested, doing only what every man should do, as far as he has within his reach. We have now got a long way beyond the ery of panic, but not yet got into smooth waters. It would almost seem as if human artisrs we have yet and disorders in the natural world. Everything has been "out of jet equilibrium of forces by which the atmosphere is preserved in a condition of programments agreement. I have been disturbed, and we have had floods of rain, overwhelming tides, terrific has been disturbed, and we have had floods of rain, overwhelming tides, terrific has been disturbed, and we have had floods of rain, overwhelming tides, terrific has been disturbed, and we have had floo From Mr. William Lelean:—Two or three weeks have made

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d have again red of gold and silv ar. There is mu

with the state of per cent. The balances of gold and silver, though the draughts for the last still continue large, are in our favour. There is much more confidence, much more among and much more disposition to employ it in legitimate enterprises.

The Mining Share Market still continues tempting to those who have even moderate with in such undertakings, for the last week or two have witnessed discoveries of numeral value—some expected and some not. Of the mines which are affording the continues the first place, as will be seen by the report, which, I presume, will appear in substant entire the first place, as will be seen by the report, which, I presume, will appear in substant entire the first place, as will be seen by the report, which, I presume, will appear in substant entire more of the Journal. All the levels and stopes, with one or two exceptions, substant entire the first place, as will be seen by the report, which, I presume, will appear in substant entire of the more presented that the second of the substant of tiem finith of the St. Austell granite range, about the same distance from the in Forey Consols and Par Consols, which have paid haif a million stering is their proprietors; and they have the same large cross-course running along empart of the sett as goes through the eastern extremity of the former. The interested, and sometimes contorted, by the force of various elvans and greened the strata are precisely the same as that in which most other rich mines a found. With regard to the principal lode, it is to be observed that it is of linary breadth, and, for very many fathoms, composed of the finest gossan, analysts that found in nearly all the most productive copper mines known. The gossan sed for a depth of 12 fms., and is then replaced by the vast courses of ore taken the ancients, leaving the cavers as evidence of their vast discoveries. At a 55 fms. from the surface this was replaced by a second gossan, of precisely similarity of the second. They worked away with nothing but this expectation them, and at a depth of 100 fms. from the surface they came upon the grand distinct of the continue its richness there are many reasons to believe, and then grown continued the previous week. That this extraction will be supplied to the practical miner. They are about to commence sinking it, in order to get down another level into the ore ground, when there is every obelieve they will make large and increasing returns. I have spoken thus try of these mines because I have been at some trouble and expense to ascerdate the money events of the shareholders in the GREAT SOUTH CHIVERTON, which returns, appear in the Journal, must be very satisfactory to all interested in it.

se facts for myself.

report of the meeting of the shareholders in the GREAT SOUTH CHIVERTON, which
presume, appear in the Journal, must be very satisfactory to all interested in it.

mineration of the money expended with the amount of work done, and the prospects
in p of the mine soon becoming productive, is greatly to the credit of the manageand I have no doubt that the next three months' workings will increase the satistiliat was unanimously expressed at what had been already effected. The balance me is a considerable one, and everthing, in fact, is of a very assuring a lready occupied so much space that I must content myself with that the reports from the East Laker and the East Skarfell conand thus to sustain all our expectations; as do also those from the and the East Treskerby.

improve, and thus to sustain all our expectations; as do also those from the CRIVERTON and the EAST TREERKEBY.

IN Mr. EDWARD COOKE:—Business has been rather more limited he past week. The season is approaching now when everyone is desirous of his business operations. In the early part of the new year it is very probable witness great activity. As anticipated in my last article, the Bank discount reduced to 6 per cent. At this rate public confidence will in some measure be and should it again be reduced a further I per cent. It would produce a most be effect upon business generally. The price of metals will, no doubt, respond to ring the Bank rate. This would be a great relief to many of our tin mines, just now suffering from the comparative low price of tin: in fact, the prices sais are always indusneed by the high or low price of money. Lead has maintesfer yearly end during the late depression, and its tendency in price is all Several mines have much improved during the past week, and among them ricularly may be mentioned North CRIVERTON and SOUTH DABREM. In the sine another part of the lode has come into the engine-shaft, forming together a ge lode. All the other parts of the mine are looking exceedingly well, and the sine another part of the lode has come into the engine-shaft, forming together a ge lode. All the other parts of the mine are looking exceedingly well, and the sine another to the proper of the mine are properly in the price within the property and in more theory of aims at equal important lead being opened up in North Chiverton. Another mine, of aimsat equal important leads being opened up in North Chiverton. Another mine, of aimsat equal important leads being opened up in North Chiverton, and the property when there is a refer to the property of the mine and the refer to the property of the mine and the refer has a feet of the property of the mine in the level above, where there is a refer course of ore large with a feet of the property are very sanguine as to the results when the pumped from

FOREIGN MINES.

FOREIGN MINES.

MILLOS.—C. Tonkin, W. Nute, N. C. Morcom, Dec. 3: The lode fourth level, east of San Juan shaft, continues small. In the third level, west of artin shaft, the ground is very hard; the lode contains sulphate of barytes and trin shaft, the ground is very hard; the lode contains sulphate of barytes and at large, containing calcareous spar, soft granite, and lead ore, worth for the tons per fm. The second level, west of the same shaft, is also improved, and is out a valuable piece of ground, worth 3 tons per fm. The second level, east of swinze, is being driven to meet the inst-named end, and has fallen off in value is last report; lode now worth 1½ ton per fm. The second level, east of worth 4 tons per fm. The second level, east of the same shaft, is opening a fine run of worth 4 tons per fm. The lode in the first level, east of La Madelens shaft, is rong, containing good deal of calcareous spar. The first level, west of San Victor schiefly in old workings, in which we meet with occasional pieces of sound. In the first level, west of San Jose shaft, we expect to get under the run of very shortly. Some very good ferebreats of ore have been met with in driviciesaring the first level, west of Grosby's shaft, and we have raised some good lead in opening the same level, east of Grosby's. The lode in the first level, west of Grosby's shaft, and we have raised some good of lead in opening the same level, east of Grosby's. The lode in the first level, west of Grosby's shaft, and we have raised some good new for the state of the state is now being shipped, to enable us to clean all the accumulated leadstuff, and our current raisings, which we estimate this month (five weeks) at 90 tons. UNA.—Dec. 3: Canada Incosa.—West of Taylor's Engine-shaft: west of O'Shea's shaft, is now opening out a valuable place of ground, worth Erathom. In the 90, west of Zamora's winze, the lode is improving, and promising appearance, worth 34 ton per fathom. The lode in the 80, west shaft, is guitting larger, with every probability of its becoming productive mediately. In the 70, west of Judd's shaft, the lode is strong and open, and yeasy for driving, worth 3 tons per fathom.—East of Engine-shaft. In the Grande's winze, the lode is very small, and letting out a deal of water. The Lownde's shaft, has opened a splendid plece of ground during the past month, ill worth 3 tons per fathom.—The 45, east of Damlan's winze, has passed good shoot of ore, but the lode is squain small. The lode in the 30 fm. level, reclais winze, is strong, and of a very kindly appearance, chiefly composed of lime and lead ore, worth for the latter 1 ton per fathom.—Shafts and The lode in Henty's shaft is improved, being larger than usual, and containing of of carbonate of lime. The men are rising in the back of the 70, against Gerizo. Nunez' winze is going down in a very firm, compact lode, worth 1½ ton a on the south part of the lode is require and firm, chiefly composed of calcand lead ore. We have commenced sinking Kennedy's shaft for the 70 fm so the south part of the lode, which is small.—Los Salidos Mine: There is ion in the elvan course in the 90 west of Andre's winze. In the 75, west of Winze, the lode is spill into several small unproductive branches. The lode west of Buenos Amigo's shaft, is disarranged at present. The lode in the 85, and Carlo's shaft, is compact and firm, and ground hard. In the 45, west of vinze, the lode is looking more promising, but is not yet of any value. The lode is page that the same and unproductive branches.

on to, west of Buenos Amigo's shart, is disarranged at present. The lode in the 55, but of San Carlo's shaft, is compact and firm, and ground hard. In the 45, west of Blain's winze, the lode is unproductive.—East of Engine-shaft: In the 90, east of Pindo's winze, the lode is looking more promising, but is not yet of any value. The lode is 45, east of Delgada's winze, contains some good stones of lead ore. In the 65, set of Viclana's winze, the lode is improving, and opens good tribute ground, worth line per fathom. The 75, west from Cologan's shaft, is being driven to meet the same set coming towards it from Viclana's winze. Shafts and Winzes: Gimine's winze will be holed in a faw days. The lode in Castilla's winze is very compact and regular, sidely composed of carbonate of lime and lead ore. The lode in Roque's winze is fall-3, and the water renders sinking very difficult.—General Romarks: There has not set any unusual fluctuation in the stopes during the past month, which are, especially the Salidos, yielding good quantities of mineral. The surface work is being carried with great regularity, and the machinery is in excellent working order. We estisable reliating for December at 500 tons.

Linkares.—Dec. 3: Pozo Ancho Mine: South Lode.—West of Engine-lakt: Having had a supply of coals, we shall fork the water, and resume the driving that is the railing for December at 500 tons.

Linkares.—Dec. 3: Pozo Ancho Mine: South Lode.—West of Engine-lakt: Having had a supply of coals, we shall fork the water, and resume the driving it had in the 5th, west of Croshy's shaft, has greatly improved, and is comparatively easy is driving, worth 4 tons per fin.—East of Engine-Shaft: The 110, east of engine-shaft, will be re-set on Tuesday next; the lode is main and poor. In the 95, east of No. 135 winzs, the lode is in the 55, water of No. 136 wings, the lode is in the 55, water of No. 136 wings, the lode is in the 55, water of No. 136 wings, the lode is large, and chiefly composed of calcareous spar and stones of lead ore,

ing very well, and, as in a few days we expect to have all our engines at work, we are enabled to estimate the raisings for December at 500 tons. ALTEN AND QUÆNANGEN.—The mining report to Nov. 19 states that

ALTEM AND QUENANGEN.—The mining report to Nov. 19 states that although the early setting in of such severe weather has greatly militated against their mining progress, the have still some benefit therefrom: they are enabled to begin the cre-sledging a month earlier than usual, so that the smelters will some be profitably emonphoyed instead of otherwise. They are daily expecting a cargo of Quenangen ore, whilst there is another driven down from Raipas waiting shipment. The returns for November will, they hope, not be much under 14 tons of copper, but with the prevailing weather we cannot reckon with any certainty.

SILVER MINING COMPANY OF NORWAY.—J. T. Rordam, Kongsberg, Dec. 2: The vein in South Ramsrad continues to show the same wide and good appearance, and is at present worked in the best part of the faithband, but no improvement in the produce has yet taken place, the vein yielding still only small quantities of poor scheidirts. In Mid-Ramsrud, by stoping west from the bottom, we have in the last days of the month reached the proper faithband, and the voin in this fabiband contains silver; this silver-bearing point we are at present, in the 13th month, working upon by continuation of the stoping west.

Dec. 2: The vein in South Ramsrad continues to show the same wide and good appears ance, and is at present worked in the best part of the faitheant, but no improvement in the produce has yet taken place, the vein yielding still only small quantum of poor schedidris. In Mid-Ramsrad, by stoping west from the bettom, we have not indexy of the month reached the proper fabiband, and the vein in this fabiband contains silver. It is solver-bearing point we are at present, in the 15th month, working upon by continuation of the stoping west.

RHENISH CONSOLS.—George Sweet, Dec. 7: Blibach: Astley's shaft is now 11 lachters deep. We intend at once to cross-cut the lode, and I hope by the end of this month to see the sink dry where the good bunch of test is. The end driving wast, on Christiana lode, is not so good as it has been, but I hope shortly to see an improvement. Stringth's shaft is between 9 and 10 lachters below the adit level, so we shall shortly commence cross-cutting in the 10 lachter level. The new machinery being working, consequently we have done away with drawing the water by horse-power. I see but little alteration in the end driving west on the north lode, the lode being asregular and productive as ever it has been. We have put eight men to stope the back of this level, so I hope to be able to make regular returns of ore; there are now 7½ tons one 5 lachters below the will see Fahrenberg ores.—Fahrenberg: The engine-shaft is now 5 lachters below the will see Fahrenberg ores.—Fahrenberg: The engine-shaft is now 5 lachters below the first 3 lachters below the see and the seed of th

from Checo Mine, was—of second-class dark ore, 1248 quintals of 15·7 produce, worth 1812 dols., and of third-class 224 quintalls of 10 produce, worth 1402 dols.—1472 quintals, worth \$1952. The total driven and sunk since last report was 16·55 metres. In Dulcinea Mine the cross-cut in the south sett clifton has been completed: lode pro-

from Checo Mine, was—of second-class dark ore, 1248 quintals of 16 7 produce, worth 1812 dols., and of third-class 224 quintals of 10 produce, worth 140 dols.—1472 quintals, worth \$1952. The total driven and aunk since last report was 16 55 metres. In Duicinea Mine the cross-cut in the south sett clifton has been completed: lode producing good stones of ore, with blue carbonate, but not to value.

CENTRAL AMERICAN.—Alotepeque, Oct. 31: San Pantaleon Mine: At this mine, owing to a large influx of water, caused by the heavy rains and the limited power of our engine, we have done but little work in the bottom levels in the past month—Guadalupe and San Alfonso, or the 40 fm, level—the water in Cornubia engine-shaft having risen to within 2 fathoms of 8an Felipe level, but the water is again forking, or decreasing, and we hope in two or three weeks hence we shall be able to work in the San Alfonso level, both east and west of Cornubia engine-shaft, and the san Alfonso level, both east and west of Cornubia engine-shaft, which will coat about \$1000 to complete—this will take about six months to de. The lode in the 40 end, east of No. 2 cross-course, is 1½ ft. wide, yielding stones of ore, but not to value. In the Guadalupe level there is no alteration since our last report. The ground in the 40, driving west of Taylor's signin-shaft, is rather harder than when last reported on. Weixpect to hole this piece of ground by or before the end of November, 1864, when we shall throw of six lifts from Cornubia engine, and carry the water back through San Ricardo level to Taylor's shaft. San Felipe level, driving east of No. 2 cross-course, is suspended for the present, and the ene put to drive through No. 3 cross-course, is suspended for the present, and the men put to drive through No. 3 cross-course, at the San Juan level; here the ground is favourable for driving through. We consider this to be the best point to cut the lode east of the cross-course, on the south branch, is also unproductive, and is suspended. Doble's stope,

evel, the lode is x here were the superintendent writes:—The company's operations for the past month have been rosecuted with the usual regularity; some of them, however, have been impeded by the excessive inclemency of the wet season, which has, I fear, interfered with the returns from the San Pantaleon Mine. The arches of ground left in the cold stopes have given, for the most part, the 30 tons 16 ewits. reported, which at 45½ cas, per ton, represent 1401 4 cas, of silver, a very small return it must be confessed; I hope, however, within a fortnight or three weeks the water will be forked, allowing of a real part of the state of the was interfering with the stoping operations in the backs. In the backed de San Jose the result of the reduction of silmes appears to be successful. The produce of the 24th conducts, referred to last mouth, amounted to \$20,4086% rs.; after appropriating \$12,000 for mine expenditure, and discharging the liabilities referred to in my last report, a credit balance will be now held by Mesers. Kife, Skimer, and Co., of about \$5000. The total cash balance at this place to date is \$5152 52. I have satisfaction in referring to the favourable cost-sheets for Sept., the total amount being \$5572.

WASHOE UNITED CONDIDATED GOLD AND SILVER MINING COMPANY WASHOE UNITED CONDIDATED GOLD AND SILVER MINING COMPANY

the favourable cost-sheets for Sept., the total amount being \$5572.

WASHOE UNITED CONSOLIDATED GOLD AND SILVER MINING COMPANY

—Very favourable advices have latterly been received by this company. A communication from Mr. Jackson Barwiss, a magistrate of the district (Nevada Territory), affirms without heelitation that the company has "the largest and finest silver mine yet discovered in any part of the world." The following is a specimen of the extraordinary statements contained in this letter:—"The inergin of tinnel No. 2 of the same series, which runs into No. 1 from the north-west, is 288 ft. This tonnel passes through a lode of ore in a mass, or rather quarry, to the extent of 197 ft.; but although so large we are not through it, and it is impossible to tell its extent at presect, as we are compelled to stop driving further until it is sufficiently timbered, the ore being a rich deposit of sulphurets, which becomes loose when the air is admitted, and falls in large masses. This ore is all as good as second cisas Ophir rock, and can be easily worked. This is the largest lode of silver ore that has ever been discovered in any mine in any part of the world, and already extends to a greater width than the far world-famed lode of the Valencians Mine in Guanuxuato, Mexico, which has the entire width of 180 ft., while this lode may run 100 ft. further in, as far as appearances go. It is the most extraordinary phenomenon I ever heard of, and although I have always said that these mines would equal any yet discovered, and be surpassed by none, I never expected that they would so far outstep any thing that had preceded them; and, what is more, I would not have believed these facts unless I had seen them myself. Everyone to whom I have shown the mine has been most perfectly astonished. Since the arrival of the letter from which the foregoing is extracted the company have received further advices, dated Oct. 17, from Mr. W. T. Rickard, the sub-manager, which are couched in hopeful terms. The disastrous experience whi

Mining Correspondence.

BRITISH MINES.

BRITISH MINES,

BAGTOR.—William Hosking, Dec. 15: The lode in the 16 fm. level, west of Prosper engine-shaft, is 1½ ft. wide, and still maintains its value of 101, per fathom. No. 1, or western, stope, working by six men, in the back of this level, is worth for tin 81, per fathom. No. 2 stope by six men, lode worth 81, per fathom. No. 3 stope working by four men, and worth 51, per fathom. We have no alteration in any other part of the mine. Our dressing pare are busily engaged preparing our batch of tin, which we intend selling a fortnight hence.

BEDFORD CONSOLS.—J. Mitchell, Dec. 15: The ground in the cross-cuts, both north and south, in the middle adit level, continues much the same as when last reported on. The men are working well, and fair progress is being made.

BEDFORD UNITED.—James Phillips, Dec. 14: We have intersected the lode in the 80 fathom level cross-cut south; it is 2 feet wide, composed of capels and mundle, with good stones of ore—a kindly lode. There is no alteration in any other part of the mine.

BEDDOLAUR.—T. Pierce, Dec. 13: The 70 yard level, north-east from shaft, is a little better in appearance to-day than it has been for the last 3 yards driving, and likely to further improve again. The 70 yard level, north-west on the Belli-Gwyn veln, is very promising for lead in the forebreast, and both sides of the level in the vein again; the vein is looking well, and by all appearances it will pay well. The 70 east is a nice vein, but rather poor for ore. We may expect an alteration here every stem. The sump, below the 70 yard level, is in the bearing measures, and yielding a little lead ore. We are looking daily for an improvement. I must say that our trials are as good as any in the neighbourhood, and it will make a good paying mine before long. We weighed the ore out on Friday last—7 tons 5 cwts.

— Dec. 14: The 70 end, driving north-east on the Brynia vein, is loking much better than it has done for some time past, and the ground is a little easier for working: I hope to report favourably

wards as paniey-shalt, one as notice-wast look by far the best, one being 6 inches in width; should these all hold out as they are now we shall sample again in February. The end driving east, on the same, is looking more promising, and the ground a little easier. The winze is much the same.

BILLINS,—F. Evans, Dec. 15.—In the engine-shaft sinking below the 70 the lode is about 3 ft. wide, worth 15 cwts, per fathom for lead ore. The 70 west is in clay and lumps of solid lead ore—a most promising lode, and evidently nearing a good orn of lead ore ground; this level at times is worth 1 ton to the fathom. A pitch in the roof of this level is let at 51, per fon; also another pitch at 61, per ton: in both cases the men are getting fair wages, and altogether the mine looks exceedingly promising. The 10 tons of lead ore sold on the 8th inst, brought 134, 6s. 6d. per ton.

BOSCAWEN.—J. Edwards, R. Glies, Dec. 10: There is no change in the 80, west of Hunter's shaft, during the past week. The samp-winze is sunk to the 80 fm. level. We have set the eastern end to drive towards the 80, west of Hunter's shaft; the lode is 2½ ft. wide, worth about 8i, per fathom for copper ore. The lode in No. 2 winze, sinking below the 70, west of Hunter's shaft, is 16 inches wide, producing good stones of copper ore, but not sufficient to value. The stope in the back of this level, wrast of said shaft, is 80 inches wide, worth 14i, per fathom. The lode in the 70, east of Hunter's shaft, is 10 inches wide, worth 14i, per fathom. The lode in the 30 fm. level, driving east of caunter shaft, is 2 ft. wide, producing good stones of copper ore, of a promising character. The lode in the 16 fm. level, east and west of Kitslew's shaft, is producing a little tim. The ground in the deep add level, driving east from Hallenbeagle, is favourable. Eddy, Dec. 14: I have been underground this afternoon, and on examining the lode in the different stopes, both east and west of new shaft, I find the lode about the same size, and yielding about the same qualit

on examining the lode in the different stopes, both east and west of new shaft, I find the lode about the same size, and yielding about the same quality tinstuff as it has for some time past. The samples will not go off to the different smeiters before to-morrow. We find the tinstuff raising in this part of the mine to produce more copper than further east, consequently it has taken longer to burn than we expected. We have cut some branches in a few days.

CAPE CORNWALL—Ralph P, Goldsworthy, Dec. 13: We have corked the water to the 55. The level is extended 45 fathoms east of the shaft; the lode in the end is 3 fest wide, producing a little tin; the character of the lode is very much improved from the 46 fathom level. By driving this end we shall reach the junction, and have not the least doubt but that the lode will produce immense quantities of tin: 30 fathoms west of the shaft there is a failure in the level. We cannot ascertain the distance the west end is extended beyond that point until we have cleared and secured it; 33 fathoms east of shaft there is a winze sunk; in all probability it is holed to the next level, which we suppose to be the 65. The ground is taken away in the bottom of the level, east of the winze, 6 fms. long. Directly over the winze is a rise, which is up 4 fms., evidently showing that the late workers had a bunch of tin, which they worked upon above and below the level; the price of tin at that time was only 40% per ton. The lode in the rise will produce good quality tinstuff on the average; the best proof of its value is that we have set the back on tribute, at 10s. in 12. We shall proceed to fork below with all speed. CARADON VALE.—James Barkell, James Johns, Dec. 14: Fish-roc Shaft: We have set the back on tribute, at 10s. in 12. We shall proceed to fork below with all apsed. CARADON VALE.—James Barkell, James Johns, Dec. 13: Fish-roc Shaft: We have been engaged during the past week in the very large of the past week. The lode in the end in the 52 fathom level, going west from this

CLOWANCE WOOD.—E. Chegwin, 1906. See Sec. 2014. The engine is working well, addit, the ground is favourable—set to sink by nine men, 5 fms., at 181. 10s. per rm. Install, the ground is favourable—set to sink by nine men, 5 fms., at 181. 10s. per rm. Install, the ground is favourable in the working well, and the water little.

CONNOREE.—Capt. Bishop, Dec. 10: As the deep adit advances to the trap rock formation the lode is showing more favourable indications for the production of sulphur ore. In the 74, east of engine-shaft, the yield of sulphur ore is much the same as for some time past, and about the usual percentage for sulphur, copper and silver combined. In the 64, west of engine-shaft, there is nothing new for the week. In the 54, west of engine-shaft, there is no marked change for the week. No change calling for remark in the size or composition of the lode has taken place in the 18 fm. level ends, east and west of Field's shaft, during the week. The late improvement at the 10, cross road shaft, is looking well, and one would say (judging from the large quantity of sulphur ore, in connection with the good percentage of lead and silver) that it looks like a discovery of no small magnitude in this undereloped part of the property. No branch or lode intersected in the 20 cross-cut, south of new shaft, during the week. The stopes on the great copper and other lodes are yielding the usual quantity of copper and sulphur ores, in connection with lead and silver.

CRENYER AND WHEAL ARRAHAM.—J. Vivian, Dec. 15: We shall commence pumping with our 80-in. cylinder engine in the early part of next week, which will be the first starting of the drainage, and shortly after that we shall set the 90-in, pumping engine on for draining these mines also. Our steam-bammer, saw-mill, &c., answer to example the same and solvery was satisfactorily.

sible. We are making cistern, &c., to drop the large lift as soon as we get the pumps from the foundry. The 60 stope is not looking so well, now worth 10 ewst, per fm., put I have every reason to think it will be better again soon, from its appearance. The 50 stope north has been poor, therefore I have stopped it for the present. The stope in better the 10 north is producing 8 cwts. per fm.

DEVON AND CORNWALL UNITED.—T. Neill, Dec. 13: The lode in the 12 east is worth 8 tons of ore per fathom, and the stope above 5 tons.—William and Mary: The lode in the 22 east is worth 10 tons, and the stope above 5 tons.—William and Mary: The lode in the 22 east is worth 10 tons, and the stope above 5 tons per fm. The lode in the 10 east is worth 6 tons per fm., and the stope above 5 tons per fm. The lode in the 10 east is worth 6.1 per fathom. The 80 west is avorin 16.2, per fathom. The 80 east is worth 19.2, per fathom. The 80 west is avorin 16.2, per fathom. The 50 east is worth 19.2, per fathom. The 80 west is avorin 16.2, per fathom.—South Lode: The 70 east is worth 19.2, per fathom. The 80 west is avorin 16.2, per fathom.—South Lode: The 70 fathom level east is poor. The ground in the 80 fathom level cross-cut south continues favourable.

EAST DARREN.—Dec. 13: In the 116 east the lode is from 3 to 4 ft. wide, still disordered by soft and broken up ground, and unproductive for lead ore. In the 104 east the lode has not been taken down since last reported. In the rise over the back of this level, 40 fms, west of Taylor's shaft, the lode is from 5 to 6 ft. wide, producing stones of lead ore, but not to value. In the 92 east the lode is from 3 to 4 ft. wide, producing shout 1½ ton of lead ore per fm.; in the same level westward, on the south part of the lode, the lode is from 3 to 4 ft. wide, producing shout 1½ ton of lead ore per fm.; in the same level westward, on the south part of the lode, the lode is from 3 to 4 ft. wide, producing shout 15 of 3 ft. wide, producing saving work to 15 of 3 ft. wide, producing saving wo

the shart sinking from surface on the causier (down about \$1\(\) fins.) the lode is split; the north part sinking on, about \$1.0. "side, compaced of mundes, print, and spar. Act the north part sinking on, about \$1.0. "side, compaced of mundes, print, and spar. Act and the contrained of the print of operation the underlie is changed. EAST GUNNIELAKE AND SOUTH REDFORD.—J. Phillips, Dec. 15: We have aben down the lode in the \$2.0. sea of Gardy, during the present week, and find it \$2.0. "wide, producing good atoese of ore, with viewy superansion of further laprovement. We also the lode in the \$2.0. sea of Gardy, during the present week, and find it \$2.0. "wide, producing good atoese of ore, with viewy superansion of further laprovement. We also the lode of the produced of the contrained of the c

above the 65 s worth from 24 to 20 per fattom. The local in the 80 west is 2 feet wide, yielding splendid work for tin, worth 10, per fathom. The local in the stope above this level is worth for ore and tin 20, per fathom. Altogether, we are much pleased with the 10 per fathom. Altogether, we are much pleased with the 10 per fathom. Altogether, we are much pleased with the 10 per fathom. Altogether, we are much pleased with the 10 per fathom of the mine to-day, and we have very confidence of ore holding of the 10 per fathom. Altogether, we are much pleased with 10 per fathom of the 10 per fathom of 10 pe

ore. We are getting on well in sinking the winze below the shallow addt, west of the new shaft, which will give good ventilation in the deep adit, when holed for working more extensively on Wheal Saturday Iode. We have ready for sampling about 67 tons of copper ore.

GREAT DEVON AND BEDFORD (Colcharton).—James Richards, Dec. 14: The ground in Chenhali's engine-shaft, sinking below the 40 fathom level, is very hard indeed, being nearly one solid mass of spar, which renders it very difficult for sinking. I hope we shall soon get through this, in order that we may be able to make better progress. The lode driving east in the 40 is much improved since yesterday; the same is rill 3 feet wide, and is composed of mundic, peach, some good atones of lead, and spotted with copper ore, and bids fair for a further improvement; there is also a quantity of water issuing from this lode; this level is extended east 3 fathoms 3 feet. The lode driving west in the same level is about 2 feet wide; the same is composed of white iron, mundic, and a little biack and yellow copper ore; this lode has also improved during the last 6 feet driving. The lode in the 30, driving west, is a little improved since my report of last week, and is letting out a good deal of water, and occasionally some spots of yellow copper ore present themselves.

GREAT DEVON AND REDFORD.—J. Richards, Dec. 15: There is still further improvement in the lode driving west at the 30. I broke some good stones of ore today. I hope this will centifuse to improve; this and is advance of the 20, which looks very well for the 20, should we cut a good school of ore at the 20.

GREAT NORTH DOWNS.—J. W. Crass, M. Jenkin, Dec. 15: There is a full further improvement in the lode of the 57 fm. level, continues spare for sinking; the lode in the 50 fm. level, driving west of said shaft, look promising for improvement, and ground easier for driving.

The lode in this level, driving east of shaft, is 7f. wide, yielding stones of copper ore coessionally. The lode in the 57 fm. leve

they are just as the north cuese of the vent; it is eviating a very wise one, and 2 or not think it has much throw or dislocation.

HAWKMOOR.—J. Richards, Dec. 13: The lode in the stopes in back of the 25, east of eastern engine-shaft, is worth 2 tons of copper ore per fathom. Good progress is being made in the rise in back of the 30.—West Hawkmoor: The cross-cut north is pro-

not think it has much throw or dislocation.

HAWKAMOOR.—J. Richards, Dec. 13: The lode in the stopes in back of the 25, east of eastern engine-shaft, is worth 2 tons of copper ore per fathom. Good progress is being made in the rise in back of the 30.—West Hawknoor: The cross-cut north is progressing very satisfactorily.

KELLY BRAY.—G. Rowe, Dec. 14: The lode in the 70 east is improving in character, in which we have discovered a large rugh, producing a quantity of water; the hard mineralised capet coming in from the south ground is accompanied with patches of civan, which is likely to further improve the lode. In the 60 fm. level cross-cut north we have intersected a very pretty looking branch, about 3 in. wide, composed of disor-spar and quartz, sotted with good quality yellow copper ore, accompanied with good stones of tin; from present appearances we calculate the main part of the lode is near at hand. The principal part of the present drivage in the 25 east is composed of gossan and quartz, mixed with black oxide of copper. The lode in the winze and stope beneath the gossan is still looking exceedingly well, being laid open full? Time, in length, and worth respectively from 201, to 501, per fm. going down and east. The present prospects of the mine are looking exceedingly well, being laid open full? Time, in length, and worth respectively from 201, to 501, per fm. going down and east. The present prospects of the mine are looking exceeding well; being laid open full? Time in length, and worth of the mine are looking exceeding well; being laid open full? Time in length, and worth respectively from 201, to 501, per fm. going down and east.

LADY BERTHA.—Capts, Harpur and Metherell, Dec. 12: The lode in the 53, west of shaft, is about 2 feet wide, composed of quarts, munde, and good stones of ore, carrying regular walls. In the new exacts as half, sinking below the bottom of the 41 west is 2 feet wide, composed of peach, quartz, munde, and ore, worth of the latter 81, per fm. In the 30 we continue to drive no

ing the new engine-shaft. In the cross-cut north at the adit level we have not lead, but are expecting it daily.

Isos, but are expecting it daily.

NEW PEMBROKE.—F. Puckey, J. Puckey, Dec. 12: The 60 cross-cut is not quite for driving, present price 61. 10s. per fathom; the eross-cut to not quite for driving, present price 61. 10s. per fathom; the eross-cut at the same level, in the shaft, is driven 7 fathoms, price for driving 41. 10s. per fathom, in the shaft, is driven 7 fathoms, price for driving 41. 10s. per fathom price for driving 31. 15s. per fathom. In the winnes staking large stream price for driving 31. 15s. per fathom. In the winnes staking large stream price for driving 31. 15s. per fathom. In the winnes staking the 38 the 1½ foot wide, of a very kindly character, composed of quarts, and perine for driving 31. 15s. per fathom. In the winnes staking the 38 the 38 the 1½ foot wide, of a very kindly character, composed of quarts and perine for the stake of the 38 the 1½ foot wide, of a very kindly character, composed of quarts and perine for the 38 the 38 the 1½ foot wide, of a very kindly character, composed of quarts and perine for the 1½ foot wide, of a very kindly character, composed of quarts and perine for the 38 the 38 the 1½ foot wide, per fathom.

NEW ROSEWARNE—E. George, Wm. Mitchell, Dec. 14: The lode in Bei shaft is 6ft, wide, producing is worth 20½ per fm. The lode in the 58; is 3 ft. wide, producing stones of opper ore. The wide producing a little tin. The stope in the back of this level is worth in the back of this level is worth fathom. The lode in the 58; is 3 ft. wide, producing stones of copper ore. The wide fathom. The lode in the 30, the state of the perine for the fathom. The lode in the 30, shaft, is 1 foot wide, producing stones of this in the back of the level are such worth 20½ per fathom. The lode in the 30, shaft, is 1 foot wide, producing stones of opper ore. The wide stones of thin sinking by nine men, at 20. per fathom. The lode in the 30, was of the present appearance

This end is getting close to the run of tin ground gone down in the level above, and the present appearance of the ground a further improvement may be expected. The present appearance of the ground a further improvement may be expected. The present appearance of the ground a further improvement may be expected. The sinking by four men, at 51, per fathorm.

NEW WHEAL MABTHA.—H. Rickard, G. Rickard, Dec. 15: The sumpmen has been engaged in driving south at the \$65, and have just cut the south or main part the lode; the influx of water is very great, and draining the upper level; this is a wind a series of the influx of water is very great, and draining the upper level; this is a wind a series of the following the part is the same as for some time past, with a promising appearance in the 64 west is not be same as for some time past, with a promising appearance in improvement. The was supended driving the 40 west, and put the men to rise against the wines, effect as speedy a communication as possible, the lode boding worth 151, per fathorn the part seen. The winns below the 20 is suspended, in consequence of water, and men are engaged in driving a 30 fm. level east and west, where the lode is worth 2 per fathorn. The tribute department is looking well. We are busily engaged in driving a 30 fm. level east and west, where the lode is worth 2 per fm. The tribute department is looking well. We are busily engaged in driving a 30 fm. level east and west, where the lode is worth 2 per fm. The tribute department is looking well. We are busily engaged in driving a 30 fm. level east and west, where the lode is worth 2 ground aurrounding it as we extend south.

NORTH BULLERI.—R. Pryor, H. Harvey, Dec. 10: We have nothing new to ground surrounding it as we extend south.

NORTH BULLERI.—R. Pryor, H. Harvey, Dec. 10: We have nothing new to go this week, with the exception of cutting through the lode in the cross-cut, sent ongline-shaft, which we found to be 2 ft. wide, composed of mundic, peach, and spar, and the weak, with the

down for lead, as well as blende, I feel confident of making obest, discoveries we have yet. The various stopes are product any former occasion, although at most points going down we of course, what we are looking for; and, as the crusher goes shall be able to separate the lead from the blende much better. NORTH MINERA.—Due, 14: Last Saturday being our se bargains were set:—The 40 to drive west by four men, at 91, p ground in this level is hard, and composed of bastard limeston and stones of copper ore. The 40 fm. level cross-cut to drive for the first fathom, and to secure ground in cross-cut; ground stone and carbonate of lime. at 91. per for

bargains were set:—The 40 to drive west by four men, at 91, per fm. for the month, ci ground in the level is hard, and composed of bastard timestone, carbonate of time, as and stones of copper ore. The 40 fm. leval cross-cut to drive north by four men, at for the first fathom, and to secure ground in cross-cut; ground composed of bastard lim stone and carbonate of lime.

NORTH SHEPHERIS—H. Bennetts, Drc. 14: The shaftmen are making god progress in sinking Decimus engine-shaft below the 20; the lode in the shaft is full? is wide; the lode contains rich stones of silver lead ore and mundic, and improving and of a most promising character. In the 20 end, driving west, the lode is 2 ft. wide producing stones of rich lead ore, and improving fast, and I believe we shall see a got change in this end for lead abortly. We have a nice branch of lead in a rise 16 % above the back of this level, and it is the general opinion that a good lode will be within in the 30 driving west, as we had a good branch of lead in the bottom of the west. The lode in the 20 end, east of engine-shaft, is 1½ ft. wide, and of a very mising character. The men are still rising in the adit to communicate the surface shamologist to the standard of the series of the surface of the control of the standard of the surface of the control of the standard of the surface shamologist stones of tin occasionally.—South Lode: The lode in this end is 4 set vis yielding stones of tin occasionally.—South Lode: The lode in this end is 4 set vis yielding stones of tin occasionally.—South Lode: The lode in this end is 4 set vis yielding stones of the 32 no lode taken down since last reported, then I ft. vide, with gastones of the 32 no lode taken down since last reported, then I ft. vide, with gastones of the surface of the surface of the standard of the surface of the surf

have cut through the lode west of cross-course, and are now driving lode being 2 ft. wide, composed of capels, quartz, and peach, with go copper ore and arsenical mundle intermixed. In the 30, east of Wats continuing our driving on the side of the lode; the same is without a PROSPER UNITED.—S. Lean, Wm. H. Martin, Dec. 15: Louiss

stopes in back of the \$4 sent are producing 12, ton of ore autom. The stopes in back of the \$4 sent are producing 12, ton of ore autom. The stopes in back of the lots; which provides the product of this level we have raised a good deal of ore. The \$2 sent I should also recommend to he pushed on a few fathoms, as I have every reason to believe these two places were the pushed on a few fathoms, as I have every reason to believe these two places were the pushed on a few fathoms, as I have every reason to believe these two places were the pushed on a few fathoms, as I have every reason to believe these two places were the pushed on a few fathoms, and the pushed on a few fathoms, and the pushed on a few fathoms, and the pushed on the pushed of the pushed on the pushed of the pushed on the pushed of the pushed on the pushed on the pushed on the pushed on the pushed of the pushed on the pushe

THE MINING JOURNAL.

THE MINING HOUSEAL STREET CONTRACT AND A 18 Percent of the county gooth, the ground continuing easy, good progress is being made. In Gilbert's winze, sinking below the 40, sand of old worth quilt bill, good a time. The Breast of the seatern it is from 2 to 3 ft. whice, and is worth quilt bill, good a time. The Breast of the seatern is to drive north for intersection of the north profiton of the lond-in favourable ground for progress. In the deep skill level north good progress has been made, and the ground of progress. In the deep skill level north good progress has been made, and the ground continues asy.

ALADON WHEAT, HOOPER.—W. C. Cock, Dee, 10, 10 We have got down of the rock in the new shaft, and are progressing favourably with the sinking. In the rise above the 5 the ground has a little improved.

SOUTH CRENYER.—E. Chewwin, Dee, 14: In the all it end, driving west of the cross-sign on the north look, the look is 6 in wide, producing stores of mandie, and the ground is significant to the state of the cross-sign of the north look, the look is 6 in wide, producing stores of mandie, and the ground is significant to the state of the cross-sign of the north look, the look is 6 in wide, producing store with the significant producing as with a shout the same in value as last reports.

Food of the significant control of the significant producing as with a shout the same in value as last reports.

SOUTH OLOCATH.—Was Looking well, both for lead and copper. All the other places are without change since last report.

SOUTH OLOCATH.—Was Looker's, Dee, 11: All the futwork bargains continue much the same as 12: GERNVILLE.—G. R. Olgers, Wm. Bennetts, Dee, 10: The lode in the sall west is from 1 ft. to 15 in. wide, producing and sink progress.

SOUTH WHEAT. TO'LOUS — Looker's, Dee, 11: All the futwork bargains continue made the same as 12: GERNVILLE.—G. R. Olgers, Wm. Bennetts, Dee, 10: The lode in the sall west in from 1 ft. to 15 in. wide, producing and some of ore. The lode in the life west is 16 in. wide, producing and sink progress. The lode in the life west is 16 in. wide, produci

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new shaft, has not been taken down since our last report. All other points continue without change.

TRENCROM.—W. Arthur, H. Woolcock, Dec. 15: The lode in the 100, east of Hollow's shaft, is 16 in. wide, worth 51, per fm. The lode in the winze sinking below the 100, east of Hollow's shaft, is 1 ft. wide, worth 51, per fm. The north lode in the 100 fm. level, east of Glesier's engine-shaft, is 1 ft. wide, yielding a little tin. The lode in the 90, west of Glesier's engine-shaft, is 1 ft. wide, saving work for tin. The lode in the 90, east of Hollow's shaft, is 16 in. wide, worth 31, per fm. The lode in the 70, east of Hollow's shaft, is 16 in. wide, worth 41, per fathom. The lode in the 50, east of Hollow's shaft, is 16 in. wide, worth 41, per fathom. The lode in the 50, east of Hollow's shaft, is 10 inches wide, and producing a little tin. There is no change in Dawe's shaft since last recorded upon.

All inches wide, and producing last reported upon.

TERREW WHEAL ROSE.—J. Middleton, W. Billing, Dec. 15: Vigar's engine-shaft is now sank 3 fms. 1 ft. below the addt level. We have cut sufficient ground for bearers and cistern, and the shaft is now sinking its usual size. We find the water increasing in the bottom of the shaft. Our men have been engaged during last week in removing a capstan, shears, &c., bought at the Albion sale, all of which are now safe

bearers and castern, saw the shaft. Our men have been engaged during has ween in removing a capatan, shears, &c., bought at the Abbion sale, all of which are now safe on the mine.

TREVENEN AND TREMENHEERE.—J. Medlen, W. Tippett, C. George, Dec. 14: 1 The 163, east of new shaft, is worth \$1. per fm.; this level, going west of shaft, is worth \$1. per fm. The 150, west of the above shaft, yields a little tin, but not sufficient to value. No. 1 stope, in the back, is worth \$1. per fm.; the \$1. \$2. \$1. per fm.; No. 3, \$4. per fm.; shaking below the 162, is making a spile; consequently, it is poor; however, we are glad to say the indications are such as to cause us to believe that we shall soon have a large lode at the shaft again. The 162 end, going east of the above shaft, is worth \$4. per fm.; this level, west of the shaft, is worth \$6. per fm. No. 1 stope, in the back, is worth \$9. per fm.; this level, west of the shaft, is worth \$6. per fm. No. 1 stope, in the back, is worth \$9. per fm.; hand No. 3, \$7. per fathom. The 140 end, east of old sump, is worth \$4. per fm. No other change to call for remark since the last report.

TREWEATHA.—Thomas Foote, John Scoble, Dec. 12: The lode at the engine-shaft still continues its size, being \$4. ft. wide, and producing good saving work; a very promising lode, and likely to improve, with ground easy for sinking. The lode in the \$0 north is not looking so well for lead, now producing good saving work; a very promising lode, and likely to improve, with ground easy for sinking. The lode in the \$0 north is not looking so well for lead, now producing good saving work; a very promising lode. This end only a shallable for stoping. The lode in the \$0 south is just the same as last reported, yielding good work for dressing. The lode in the \$0 south is just the same as last reported, yielding good work for dressing. The lode i

but not enough to value.

WEST SHARP 70R.— Wm. Richards, Dec. 12: The only change to report since the date of my report for the general meeting is in the No. 5 cross-cut, which has improved a little; the part of lode now being carried contains a little more grey copper ore, with kindly appearances.

WEST WHEAL OULD.—Dec. 14: South Lode: Taylor's engine-shaftmen are his little more grey copper ore, with kindly appearances.

WEST WHEAL OULD.—Dec. 14: South Lode: Taylor's engine-shaftmen are his large of the lode is greatly improved alone hast now the producing for the lode is greatly improved alone hast now producing for the lode is persently improved as the lone hast now producing folly 3 tons of good ore per fathom; and the 75 west is producing 5 tons of ore per fathom, and, from present appearances, likely to improve. The lode in the rise, over the back of the 56 west, is small and unproductive; we intend to suspend the rise, and put the men to sink a winze in the bottom under where we have been rising. The stope over the back of the 56 seat, and the stope love the 96 fm. levels, are each yielding 2 tons of ore per fathom,—North Lode: The lode in the 65, east of Taylor's augmen-shaft, and east of cross-cut, is 2 ft. wide, producing good stones of ore—a very promising lode. We have two stopes over the back of the 66 fm. level, east and west of the rise, east stope yielding 3 tons of ore per fathom. The ground in the 50 fm. level of the rise, east stope yielding 3 tons of ore per fathom the stope of th

driven 4 fms. 5 ft. 3 in. turough the clay course, and we have how a stream of water inowing regularly from the western ground—suspended. Harris's shaft has been sunk 10 fms. 1 ft. below the surface, and is now suspended for the winter. The tribute department has improved, and now employs 105 men and boys, at tributes warying from 48. to 13s. 40. in 14.

WHEAL CARADON.—F. Pryor, James Brown, Dec. 10: The lode in the 70, east of Cruttwell's engine-shaft, has a better appearance, about 2½ ft. wide, mixed up with abundance of mundle, and letting out water very freely. The 60, east of the same shaft, is entirely drained by the 70, but the lode is without any material alteration to notice; this end should be pushed on until if reaches the lead lode. The ground is the 60 cross-cut south is of a mineralised character, and we are looking forward here with interest to the cotting of the next lode. We have alreven the 30, west of cross-cut, on Mary's lowe, about 14 fms.; for the whole distance this is a kindly looking lode at such a shallow depth, and in order to prove east as well we have placed she men to drive in that direction, and shall be able to say more about it in our next report. The trial shaft is down 50 fms. below the 30, and we have set the same to sink to the 40, certain bargain, and hope to accomplish it in or about three months from this time, and hope to accomplish it in or about three months from this date, after which the lode will be intersected. The alteration of the pitch will be altered to the decision of the 10 fms. The stope in back of the 96 west its judding 5 tons, worth 30i, per fathom. The stope in back of the 96 west its judding 5 tons, worth 30i, per fathom. The stope in back of the 96 west its judding 5 tons, worth 30i, per fathom. The stope in back of the 96 west the lode is 2 feet wide, but at present poor. The stope in the 30 three productin

OKEL TOR MINE.

OKEL TOR MINE.

Dec. 3.—It is now about three years since I last inspected this mine, shortly after which an important discovery was made in the 80 fm. level. Since that time the level has been driven some considerable distance, for the most part through a large crey lodg, which has been worked in places both on tutwork and tribute. The ore now raising in the 80 fm. level is above the average produce of the upper levels, thus showing that the ore improves in depth. The lode in the end of the 80 fm. level, shus showing that the ore improves in depth. The lode in the end of the 80 fm. a kindly appearance, which leads me to judge that you are close on the shoot of ore which, in the 80 fm. level, is about 60 fms. long. The 65 fm. level has been recently communicated with the winzs from the 80, which winze is sunk in the western end of the main course of ore driven through in that level. In the end of the 65 fm. level there is a fine course of ore, fmll 41t. wide, and worth 400, per fathom. In this level there is a fine course of ore ground now laid open (45 fms. long), which will nearly all be worked away. From the bottom of the 65 fm. level; when this winze is communicated, the ore ground referred to in the former part of my report can be taken away with greater facility. The 50 fm. level is driven considerably further east than the two bottom levels; the last 60 fms. driven considerably further east than the two bottom levels; the last 60 fms. level downwards, with the exception of the winze recently communicated with the 65 fm. level downwards, with the same course of ore 5 fms. deep. The lode in the 50 em is 14 ft. wide, and its character is such, that when driven further east 1 am satisfaed other discoveries of ore will be made. Looking at your prospects at the present time, you may condidently rely on the mine paying fair dividends.—Thus. Oncars, Holmbush Mine.

Dec. 5.—I inspected Okel Tor Mine on Saturday last, and I have much pleasure in handing you the following as my report:—The 80 fm. level I found to b

at a great profit. The lode in the end has a most splendid appearance, and will produce at i present fail 10 tons of copper one per fathorn. The stopes in the back of this level will yield 10 tons per fathorn, and is a very fine-looking lode indeed. The winze recently communicated with the 65 fm. level will greatly facilitate the stoping of the back of this level, and will also enable you to increase your samplings. You may calculate upon having a great many fathorns of ore ground yet before you in the 55 cm. sevel. The end in the 55 fm. level. The end in the 55 fm. level, which is extended east from shaft about 255 fms., is in a very congental stratum of ground for producing ore, although at present unproductive. In conclusion, I beg to say, that from the nature and appearances of the lode, and also being in the very midst of a great and rich metalliferous district, there can be no doubt of its turning out a most profitable mins.

—JAMES RICHARDS, Great Devon and Bedford (Colcharton) Mine.

ALUMINIUM BRONZE BEARINGS.—It appears that in an extensive factory in New York aluminium bronze has been successfully applied as the bearing for a small mandril, which runs 7000 revolutions per minute, every bearing previously tried having entirely failed. The aluminium bronze used was made from 90 parts of copper with 10 parts of aluminium, and the Scientific American remarks that propeller shafts and boxes troubled with chronic heating might be cured by this metal. Boxes for fan blowers particularly, the shafts of which run from 3800 to 4500 revolutions per minute, might be easily lined with this metal. It is pronounced by those whe have used it to be a superior composition forfall journals at great velocities.

HOLLOWAY'S OINTMENT AND PILLS—DANGEROUS DISEASES.—How many life-long maladies spring from neglecting trifling symptoms? The pimple readily carable in the nursery becomes through carelessness the irremediable torment of after-life. With a knowledge of the curative powers of Holloway's ointment and pills, those who fall to use them for extirpating the first seeds of hereditary aliment will have to bear the punishment resulting from their folly. Holloway's remedies will remers eruptions of the skin, scorbuit diseases, and scrobia, and heal every description of ulcer, sore, wound, or abrasion. By the employment of Holloway's excellent, speedy, and safe medicament, much pain and immense expense will be saved, and a great benefit conferred on the mreasin and suggesting sensors than

MINING NOTABILIA.

GOLD IN WALES.—At Hafod-y-Morfa, or Prince of Wales, Mine, it is reported that magnifocent Gold has been found, in spots about 3 in. square.

Another discovery is said to have been made at GWYNYTYNYDD.

The gold Iode at CASTELL CANN DOCHAN is said to have improved very much the last week. Yield of Gold for the week 2 ozs. 10 dwts. 7 grs., from 19 cwts.

much the last week. Yield of Gold for the week? Oss. A ways. The state of quarts.

SOUTH CONDURROW continues to look well. On Wednesday next they sample about 20 tons of copper ore, about the same quality as the last. They have also about 55 tons of the, which will be sold shortly. The mine is nearly paying cost.

At WEST CONDURROW the 26 fm. level cross-cut south has undergone a favourable change; the ground is much easier, and there is plenty of water coming out of the end, indicating that they are near the lods—the Carr Camborne south lods, which is looking so well in the west end, nearly adjoining West Condurrow. It is not too much to expect this mine to increase in market value soon. Many of the old miners in the neighbourhood are buying largely at the present low price, believing they have a nrise before them.

which is looking so well in the west end, nearly adjoining West Condurrow. It is not too much to expect this mine to increase in market value soon. Many of the old miners in the neighbourhood are huying largely at the present low price, believing they have a prize before them.

EAST POLMEAR (Charlestown).—It is rumoured that this mine, which has been working for some time past to the adit level only, where some important todes and cross-courses have been intersected, and rich ore (copper) raised, is likely to be brought more prominently before the public in the ensuing spring, some influential parties in London and Cornwall being in negociation with the present proprietors (a few in number), with a view to a full development of the numerous lodes airwady discovered, some of which are partially wrought on. The mine may be said to be virgin ground, as nothing has been done under adit. The locality is such as requires no comment—some of the richest copper mines in the county have been found in the neighbourhood, and it is crear raised here are far above the average of the county. For those who have so long laboured to test the mine at the present depth, for those who may join in the further prosecution of the work, and for the benefit of the neighbourhood in general, it is hoped success will be the result, and it is the general opinion, if worked spiritually, it will be acceptable to test the mine at the present depth, for those who may join in the further prosecution of the work, and for the benefit of the neighbourhood in general, it is hoped success will be the result, and it is the general opinion, if worked spiritually, it will be acceptable to test the mine at the general discovery, and it is hoped that it will be permanent. The mine has been a long drag. Some are sanguine enough to believe it will one day be a second Dolcoath.

At Wheal Seron meeting, on Monday, the usual 42. dividend was declared, leaving a cradit balance of 5641, or an increase of 791, from the last meeting. The report was exceedingly goo

table working of the mine.

LADY BERTHA MINE.—As will be seen by the agent's report in another lawn, this mine has further improved. The lode in the new engine-shaft, sinking slow the 41 fm. level, when last taken down, was reported as worth 181, to 201, per thom: but we learn that it is of much greater value. This point is in whole ground surface. A rich lode is also shortly expected in the 30, east of the great cross-course, hould this be the case (of which there is but little doubt), this mine will again attract me considerable attention.

fathom; but we learn that it is of much greater value. This point is in whole ground to surface. A rich lode is also shortly expected in the 30, cast of the great cross-course. Should this be the case (of which there is but little doubt), this mine will again attract some considerable attention.

DALE MINE,—Under date of December 15, Captain R. Niness writes that they have only been able to work on a part of the Pipe vein during the greater part of the last month. At the sampling, on Saturday next, he estimates having about 30 tons of lead and 35 tons of blende. The last sale of lead ores, on November 12, realised 6064, 2s.; and the blende sold the same day, 1364. Ils. 7d.

EAST WHEAL VOR.—From the improved indications on Smith's lode, in the 60 and 70 fms. level, and also sinking below the 70, on the rich Old Wheal Vor dode, there is no doubt a rich deposit of tin will be soon met with. This is the most promising progressive mine in the Great Wheal Vor district.

At Carn Cambonne the crusher is in, the house covered, and the crusher will be put to work on Monday next, for sampling on the Wednesday following, when they will sample 80 tons of good ore, nearly doubte the last sampling, and from the present prospects of the mine 130 tons may reasonably be expected at the next sampling. The mine has greatly improved, and promises to be one of the prizes for 1885. The report of this day (Wednesday) is as follows:—South Lode: 40 west, 1½ ton; 40 east, 2 tons; 30 west, 4 tons; 30 west, 5 tons; 50 west, 5 tons; 50 west, 5 tons; 50 west, 145 ton.—South Lode: 13 west, 5 tons; 50 west, 145 ton.—South Lode: 14 west, 145 ton.—South Lode: 15 west, 5 tons; 50 west, 145 ton.—South Lode: 16 west, 5 tons; 50 west, 15 tons; 50 west, 145 ton.—South Lode: 16 west, 16 ton the south lode, the same distance on the new south lode, which will be worked at a low tribute. With such property, by exciting a prejudice against it. There are not many mines loo

DESTRUCTION OF A STRAM-ENGINE.—I have often wondered, when passing the South Bedford Mine, near Tavistock, why the steam-engine erected there should remain for years nunsed; it has never been worked, and the top of the chimney is not even discoloured. This surely is a great wasts of money, more especially as no sales of copper have taken place. Will the purser or capitain explain who ordered this engine, and by whose authority it was erected?—Mines.

THE MAUDLIN MINES.—The notice of the discovery in these min THE MAUDLIN MINES.—The notice of the discovery in those immes, which has been exciting so much attention and interest throughout the county of Cornwall, turns out to have been rather under than over estimated—we mean, of course, the richness of the lode cut into in the 70. An analysis of some five or six samples of the ore was, last week, stated to have given an average of 27 per cent. of copper; we have this week seen the results of an analysis since made by Messra. Johnson, Matthey, and Co. of lumps of the ore taken up by some private gentlemen, who visited the results of an analysis since made by Messrs. Johnson, Matthey, and Co., of lumps of the ore taken up by some private gentlemen, who visited the mines, wishing to from an independent judgment, and to test the accuracy of the reports that had got abroad; and it gives the proportion of 39-50 per cent. as the average. It is as satisfactory to be enabled thus to certify to the validity of the statements made, as to able to congratulate the proprietors on the good fortune into which they have fallen.

Okel Tor Mine (Calstock), from which it appears that there is a good course of ore laid open between the 50 and 65 fm. levels, the returns from which must improve the position of this mine from paying costs to making handsome profits; and as the other points of operation are of a most satisfactory character, the concern is confidently expected to take an early and important place in the list of Dividend Mines.

GREAT SOUTH CHIVERTON.—It will be seen from the reports presented at the general meeting (which appear in another column) that the devewelopment of this property is progressing in a satisfactory manner. The
position of the mine, immediately adjoining West Chiverton, is not unreasonably regarded as a feature of no mean importance—upon this point
Capt. J. Nancarrow remarks that "the underlie and direction of the lodes,
as well as the position and locality of the mine are all that can be desired. Capt. J. Nancarrow remarks that "the underlie and direction of the lodes, as well as the position and locality of the mine, are all that can be desired, while the continued richness of West Chiverton adjoining, and the very encouraging appearance of other mines in the neighbourhood, afford the strongest assurance that we have a good mine before us here which we shall use every effort to open up as fast as possible. It would appear, therefore, that Great South Chiverton possesses everything that can be desired as regards prospects and locality, as well as facilities for development; and by the judicious expenditure of a small amount of capital there seems reason to hope that success will be ensued."

FATAL ACCIDENT AT DEVON GREAT CONSOLS,—On Wednesday, T. tephens was killed, and Thomas Richards had his thigh broken and was otherwise

TO CONTRACTORS-RHYL PROMENADE PIER .. COMPANY (LIMITED),—The Directors are DESHEOUS of RECEIVING
TENDERS for the ERECTION of an IRON PIER into the sea at RHYL, 1056 yards
long. Plans and specifications may be seen upon application to Mr. W. Wrwsz, the
secretary, Relvoir Hotel, Rhyl. The contractor will be required to take a portion of the
amount of his contract in paid-up shares of the company. The directors do not bind
themselves to accept the lowest or any other tender.

TO CAPITALISTS.—The LESSEE of a FIRST-RATE COLLIERY in NORTH WALES WANTS a PARTNER, with about £2000. A mining angineer or practical colliery manager might have the management. A profit of 4s. per tou can be clearly shown on the coal related in the royality, which is an extensive one.—Address, "Bryn," care of Mr. H. Greenwood, advertising agent, Liverpool.

TO LANCASHIRE COLLIERY PROPRIETORS.—
WANTED, an AGENCY for the SALE of a GOOD QUALITY LANCASHIRE
COAL. Advertiser has a first-class connection amongst the largest consumers in Liverpool.—Address, "E. G.." Journal of Commerce office, Liverpool.

WANTED,—A COLLIERY STEWARD. One who is capable of TAKING the DIRECTION, MAPPING, and LAYING OUT EXTENSIVE UNDERGROUND WORKS.—Application, with reference, to "K," care of Mr. Morgan, news agent, Bradford.

WANTED, an UNDERVIEWER for an EXTENSIVE
COLLIERY.—Written applications, enclosing testimonials, and stating age
and references, to be made to Mr. P. Cooper, Manager, Holmes Colliery, Rotherham.

N UNDERGROUND AGENT WANTED for a LEAD MINE in the NORTH OF ENGLAND. The applicant must have had good practice erience, and should be under 40 years of age.—Address note, with testimonials en ed, to Mr. J. B. Eddy, Carleton Grange, Skipton, Yorkshire. N OPPORTUNITY OFFERS of INVESTING, under very

favourable circumstances, in a VALUABLE MINE, just approaching developers with £1000 to £2000 spare cash will find this well worth attention. s, "A.B.," Kennedy and Co., advertising agents, Manchester.

CENTRAL RAILWAY OF VENEZUELA (LIMITED)—
GUARANTEED INTEREST 114 PER CENT.—FIFTY SHARES (£10
paid) FOR SALE, or will be EXCHANGED for QUEBRADA or OTHER SHARES.
—Address, "M. P.," care of Mr. Barker, news agent, 1, Castie-court, Birchin-lane, RHOSESMOR MINE—IMPORTANT TO ADVENTURERS.-Apply by letter (post paid), or personally, to Capt. ELLIS, Rhosesmor Mine, Halkyn near Holywell.

An advertisement having appeared in the MINING JORNAL of the 10th instant signed Charles Bawden, St. Day, Cornwall, cautioning the public against taking share in this company, and stating that he is the proprietor of one-third of the property, I certainly trust that the shareholders will not be slarmed by this attempt on the part of man (who is now having his affairs adjudicated in the Bankruptcy Court at Redruth to lay claim to a property of which he has not, nor ever had, the least title or claim.

9, Gracechurch-street, London.

Signed, JOHN GREEN, Sec.

OTICE—LATE WHEAL ANNIE MINE, IN THE PARISH OF ST. AUSTELL.—ALL PERSONS HAVING CLAIMS on the ABOVE MINE will be pleased FORTHWITH to SEND the PARTICULARS thereof to the purser, William West, Esq., Tredenham House, St. Blazey; and ALL INDIVIDUALS INDEBTED to the COMPANY are REQUESTED to PAY what they owe, WITHOUT FURTHER DELAY, to the said William West.—Dated Dec. 18, 1864.

CATHERINE AND JANE MINE.—SHAREHOLDERS are REQUESTED to APPLY during the ENSUING WEEK, between the hours of Twelve and One o'clock, personally or by letter, at the offices of the late Mr. Dunsford 9, Broad-street-buildings, London, to RECEIVE THEIR PROPORTION of ASSETS in the WINDING-UP of the ABOVE MINE.

By order of the Committee of the said Catherine and Jane Mine.

Dated December 16, 1864.

CARYSFORT MINING COMPANY (LIMITED).—Notice is bereby given, that the ORDINARY HALF-TEARLY MEETING of the Carysfort Mining Company (Limited) will be HELD on MONDAY, the 2d day of Jan. 1865, at the hour of Twelve o'clock noon, at the office of the company, No. 65, Damestreet, Dublin, for the purpose of submitting the directors' report and statement of accounts, for the half-year ended the 31st Oct. last; and for the transaction of the other ordinary business of the company.

By order,

W. R. FAYLE, Sec. 65, Dame-street, Dublin, December 15, 1864.

MR. J. P. ENDEAN, STOCK AND SHAREBROKER,
1, CROWN COURT, OLD BROAD STREET LONDON, E.C.
Having had 25 years' experience in the mining districts of Devon and Cornwall, and
three in the Lordon market, with daily information of important changes from qualified
agents, also the most anthentic reports relating to other investments, he is in a position
to afford the earliest information to his cilents, and to direct capitalists whether to buy or
sell in mines, railways, or other securities.
Investors should apply to him for realized information relative to the Chiverton Mines,
also the Camborne and Hiogan districts.
A carefully selected list of sound progressive and dividend shares (certain to give a
large percentage immediately) forwarded on receipt of 5s. in stamps.

Orders and telegrams receive immediate attention.

MR. J. W. GILBERT, MINE SHAREDEALER
1, PINNER'S COURT, OLD BROAD STREET, LONDON.

THOMAS MOLYNEUX AND CO.

(Late Leigh, MOLTNEUX, and Co.),

MINE AGENTS, SHAREBROKERS, AND GENERAL COMMISSION AGENTS.

SHARES of EVERY DESCRIPTION BOUGHT and SOLD on commission, or otherwise. Especial attention is given as to buying and selling mining shares. The latest information can be given as to present price and prospects, which they are enabled to give by daily communication with their agents in London, Devon, Cornwall, Ireland, and Wales. Mines inspected and reported upon by experienced agents, and reliable information given as to mining property.—Address, Thomas Moltneux and Co., No. 28, Princess-street, Manchester.

MANCHESTER. M R. W. HANNAM, MINING, SLATE QUARRYING, INSURANCE, AND GENERAL SHAREBROKER, BOYAL INSURANCE BUILDINGS, KING STREET, MANCHESTER. A MONTHLY Investment Circular on application.

MR. D. STICKLAND, M.E., having had upwards of 40 years' mining experience in Cornwall, several years of which he has had the entire management of mines therein, enables him to GIVE GOOD ADVICE thereon. MINES INSPECTED and faithfully REPORTED ON. DEALER in MINING, RAILWAY, and OTHER SHARES.

His monthly Circular forwarded on receipt of six postage stamps. All communications between this and Christmas to be addressed Padstow, Cornwall. Wellington Chambers. 78. Cannon-street West, London, E.C.

HARRIS AND CO., STOCK AND SHAREBROKERS,

AND FINANCIAL AGENTS,

15, GEORGE STREET, MANSION HOUSE, LONDON, E.C.

HARRIS and Co., having (in addition to their usual basiness in stocks and shares generally dealt in on the London Stock Exchange) made special arrangements for transacting every kind of business in the Stock and Shares of Mines, ironworks, and other Industrial Companies, are prepared to effect, at the closest prices, purchases or sales of such stock on commission. As they transact a purely commission business, they are prepared, in every case, to give the names of principals.

In transacting their business Harris and Co. beg to state that they make it a rule not to be themselves connected with any concern as promoters, or placers of stock; they endeavour to make themselves acquainted with every available information on the intrinsic merits of all stocks, but avoid identifying themselves with any particular undertaking.

trinsic merits of all stocks, but avoid identifying themselves with any particular undertaking.

With respect to stock in mines and ironworks, Harrus and Co. have made arrangements to secure the very best and earliest information that can be had from the seats of operation. In the metallic mining districts of Cornwall and Devon, Wales, Shropshire, and the Isle of Man, of the Midland Counties, of Vorkabire and the Northern Counties, and of Ireland, they have agents and correspondents among the best-informed persons. They have also full and special information of all facts affecting the interests of every company connected with the Coal and Iron districts.

Harms and Co. have correspondents in New York, Boston (U.S.), Halifax (Nova Scotis), Philladelphis, San Francisco, Melbourne, and Adelaide, by which they are in a position to buy and sell American and Australian stocks for European buyers, or European stocks for American or Australian buyers, on unusually advantageous terms.

Harms and Co. issue a monthly circular to their clients, which, for the convenience of their foreign and colonial correspondents and customers, is registered at the Post Office for transmission abroad.

E L F O R D, W I L L I A M S, A N D C O.

COPPER ORE WHARFINGERS,
METAL AND GENERAL COMMISSION AGENTS,
SWANSEA.

ASSAYS AND ANALYSES,—Mr. JOSEPH GREEN, for the past 14 years professional assayer to the Chester Goldsmitha' Company, UNDERTAKES the ASSAYING and ANALYSIS of EVERY DESCRIPTION of MINERAL.—Assay Office, Chester.

TSAAC FRANCIS, NANT, WREXHAM, a dresser of 30 years experience, is OPEN to INSPECT ANY DRESSING PLACE on moderate terms.

Mr. FRANCIS can introduce PLANS of IMPROVEMENTS that will SAVE THIRTY PER CENT. COST in certain departments of any dressing floors.

M. BRENTON SYMONS INSPECTS and REPORTS on ANY MINERAL PROPERTY. In all cases where procurable a plan will ac-company his report.—18, Hatton-garden, E.C.

MR. GEORGE HENWOOD, MINING ENGINEER,
LOCHHEAD HOUSE, LOCHWINNOCH, SCOTLAND, OFFERS his SERVICES and ADVICE on mines situated in any part of England, Sociland, Wales, Ireand, Isle of Man, &c. Mr. Henwood's extensive-experience in his peculiar department
of mining science is well known, and will be exerted to the utmost for the benefit of

With last week's Journal a Supplemental Sheet was given, which contains—Papers on Slate and Stone Quarrying Machinery; Life and Death in the Mines; England's Early Engineers; Copper Mining—Devon Great Consols; Ore Crushing and Washing Machinery (illustrated); Utilising Small Coal, and Refuse Tinned Iron; Remarkable Steam-Boiler; Petroleum; Reports from various Foreign Mines; Quarterly Sales; Miscellaneous Scientific News, &c.

MUNTZ, E. G., METAL BROKER, 32, PARADISE STREET, BIRMINGHAM.

The Mining Market; Prices of Metals, Gres, &c.

METAL MARKET-LONDON, DEc. 16, 1864. Tubes | FIREL | Per Ton. |
Swedish, in kegs (rolled) 15 10 0-15 16 0 (hammered). 16 0 0-18 0 0 Ditto in faggots | 17 0-16 Ditto in faggots | 17 0-16 Ditto in faggots | 19 0 0-23 0 0 English, Spring | 19 0 0-23 0 0 Bessemer's, Engineers Tool 44 0 0- |
Spindle | 30 0 0- |
QUICESILVES (per bottle). 8 0 0 nom. Old (Exchange)..., 91 0 0.—

Bars Welsh, in London. 7 12 6-7 15 0

Ditto, to arrive ... 8 10 0.—

"Stafford in London 9 2 6-10 5 0

Bars ditto 9 0 0-11 0 0

Boops ditto 9 17 6-10 10 0

Boops ditto 91 7 6-10 10 0

Ditto, In Wales... 4 10 0.—

Bars, common,ditto... 6 15 0-7 0 0

Ditto, railway, in Wales 6 15 0-7 0 0

Ditto, railway, in Wales 6 15 0-7 0 0

Ditto, railway, in Wales 6 15 0-7 0 0

Ditto, railway, in Cyds... 2 11 0-2 17 0

Ditto, fo.b. Tyne or Tees 2 9 6
Ditto, Noca, 3, 4, fo.b. do. 2 6 6-2 5 6

Railway chairs... 5 10 0-5 15 0

"spikes... 11 0 0-12 0 0 BING. In sheets 26 10 0-| LEAD. | LEAD

REMARKS.—It is with great pleasure we are enabled to record that on Thursday the directors of the Bank of England reduced the rate of discount to 6 per cent. This reduction will give universal satisfaction, not only as a proof that the monetary crisis, which has so hampered commercial operations, is now over, but also because it will tend to the restoration of confidence, the want of which is so detrimental to business; and likewise because merchants will now be enabled to enter into commercial transactions without fear, as the present rate of discount is one that can be met without any difficulty. We are glad to find that the anticipations expressed in the Mining Journal, that easier rates would ensue before Christmas, have been verified, and we may now congratulate our numerous readers upon the pleasing prospect opened for the new year. Of course we cannot expect at this period of the year that the metal trade will show any very marked improvement consequent upon the present reduction in the Bank rate, but we have no doubt that very soon its inflence will be felt, and we shall see a considerable improvement in the Metal Market. Prices will become firmer; orders which have been kept back will be felt, and we shall see a considerable improvement in the Metal Market. Prices will become firmer; orders which have been kept back will be felt, and the trade.

Prices will become firmer; orders which have been kept back will be brought forward, and a vigorous and healthy tone again become the characteristic of the trade.

Copper.—The market is not quite so firm as it was last week; sales have not been very numerous, and unmanufactured has been sold at 88%.

IRON.—In Staffordshire the demand for finished iron does not show any improvement, with the exception of sheets for galvanising, and for no important kind is there sufficient demand to keep the works fully employed. The second-class makers are accepting prices below the trade rates, which are themselves very low in relation to the rate of wages, and the necessity of grappling with this question is now felt to be imperative. A special meeting of the Ironmasters' Association is to be held next week to consider the question, and the decision of that meeting is looked forward to with great interest. In Welsh the ironworks are, upon the whole, regularly employed, and there is no change of importance to notice. Several of the leading makers are beginning to complain that orders are getting scarce, and unless the requirements of buyers increase, it is evident that a reduction in price is not improbable. Only a small quantity of iron has of late been shipped to New York, and there does not appear any immediate prospect of a revival of the trade with America. The home demand is moderately good. In Swedish iron no alteration has occurred. In Scotch pig-iron the market has still continued to decline during the week. At the commencement of the week prices fell to 50s. 4½d. cash, but did not long remain at this, falling to 50s. 3d. cash, and 50s. 7½d. one month, at which it remained at the close, the reduction in the Bank rate not having exercised any influence upon the market.

ILEAD.—The demand still continues moderate, and prices may still be quoted at 20% 5s. for common English pig, 20% 10s. for LB, and 22% for WB per ton.

having exercised any influence upon the market.

LEAD.—The demand still continues moderate, and prices may still be quoted at 201, 5s. for common English pig, 201, 10s. for LB, and 221, for

quoted at 201. 5s. for common English pig, 201. 10s. for LB, and 221. for WB per ton.

Tin.—The market for foreign remains in a drooping condition, and prices have continued to decline during the week, and there appears little prospect at present of any immediate recovery. Sales of Banca have taken place at 381., and Straits at 891. cash.

Spellers.—The sales of this metal during the week have been very small, and the tendency of the market is decidedly downward, while the stoppage of a firm largely dealing in the article tends further to depress the market. Sales have been effected at 201. on the spot.

Spellers.—There has been no accession of orders of any importance during the week. Coke may now be bought at 21s. 9d. per box.

Quicksilver.—No particulars to notice.

Glasgow, Dec. 15.—The market to-day has been quiet, but steady. Business done at 50s. 3d. cash; closing, sellers, 50s. 3d. cash, prompt; buyers, 50s. 14d. No. 1, g.m.b., 51s. 3d.; No. 3, 50s. 3d.

The Tin Trade.—We are favoured by Mr. L. Th. Van Houten, of Rotterdam, with the official return by the Dutch Board of Trade of the import and export of tin from Holland during Oct., and the ten months ending Oct.—— Cot. MORRIT Ten months. Twelve months.

1864. 1863. 1864. 1863. 1864. 1863. 1863. 1863. 1864. 1863. 1864. 1863. 1864. 1863. 1864. 1863. 1864. 1863. 1864. 1865. 1864. 1865. 1864. 1865. 1864. 1865. 1865. 1865. 1866. 1865. 1866. 1865. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 1866. 186

| " Other countries | | | | | | | | | | | |
|------------------------|------|-----|------------|------|--------------------|------|------------|------|-----------------------|----|----------------------|
| Total tons | 312 | Oct | 306
EXF | ORT. | 4551
To
1864 | I an | months. | T | 3700
Welve
1863 | mo | 530:
nths
1862 |
| To GermanyTons | 168 | | | | | | 1863. | | 1475 | | 182 |
| " Belgium
" England | | | Not | | 413
1266 | | | **** | | ** | 112 |
| "France | 17 | - | given | | 884 | | given | | 755 | | 1110 |
| " Hamburg | _ | | separately | **** | 178
21 | | separately | **** | | | |
| " Other countries | - 57 | •• | _ | **** | 378 | •• | | **** | 368 | - | - |
| Total tons | 322 | •• | 207 | | 4743 | •• | 3113 | •••• | 3674 | •• | 5110 |

THE COPPER TRADE.—Mr. J. Pitcairn-Campbell, of Liverpor The demand for English continues good, but smelters are free sellers, a change in the quotations for Chili bars, ores, or regulus. Transactions ha

| the | ortnight- | | - | | |
|------|------------------------------------------------------------|-----|----|------|-----------|
| Nov | . 30 50 tons refined ingots, to arrive, per "Glamorgan" | | | | |
| | (less 3 per cent.) | £90 | 0 | 0 | per ton- |
| | 30 22 tons refined ingots, on spot, per "C. Colon" (less | | | | - |
| | 3 per cent) | 90 | 0 | 0 | ** |
| Dec. | 2 72 tons bars, to arrive, "Cape Horn" (less 214 p. cent.) | 82 | 0 | | ** |
| | 3 50 tons bars, second hands (less 21/4 per cent.) | 82 | 0 | 0 | 99 |
| | 5.—322 tons bars, to arrive, "Glamorgan" (nett 2 months) | 80 | 10 | 0 | 99 |
| | 8.— 95 tons bars, Swansea, "W. Leckie" ditto | 81 | 0 | 0 | 99 |
| | 9175 tons refined ingots, to arrive, "Giamorgan" (less | | | | |
| - | 8 per cent.) | 90 | 0 | 0 | per unit. |
| ** | 9.—120 tons regulus, second hands | 0 | 17 | 11/4 | per unit. |
| ** | 12 45 tons refined ingots, to arrive, "Glamorgan" (less | | | | |
| | 3 per cent) | | | 0 | per tou. |
| | 12 44 tons Barilla, on spot, "Chanarcillo" | 0 | 18 | 3 | per unit |

nd hands, likely to be available, as nea

| Swanses | 2000 | 502 | 502 | 502 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 | 503 |

In the state of the MINING SHARE MARKET there is nothing particularly new to notice. The settlement of the fortnightly account, on Thursday, however, was much heavier than for some time past, and showed the increased business transacted, both for speculation and investment, since December commenced. The chief demand of late has been for Great Laxey, Great Vor, Wheal Crebor, East Grenville, West Chiverton, Kelly Bray, Lady Bertha, Carn Camborne, North Roskear, South Wheal Leisure, Frank Mills, East Caradon, East Lovell, East Vor, North Chiverton, Grambler and St. Aubyn, and a few others. East Caradon shares have

Great Vor, Wheal Crebor, East Greeville, West Chiverton, Kelly Bray, Lady Bertha, Cara Camborne, North Roskear, South Wheal Leisure, Frank Mills, East Caradon, East Lovell, East Vor, North Chiverton, Grambler and St. Aubyn, and a few others. East Caradon shares have been firmer, and leave off 19 to 20; the lode has not been cut in the 80 south, but the ground in the cross-cut continues favourable. Great Laxey, 18; to 19; a dividend of 10s, per share has been declared.

Great Wheal Vor shares are not so firm, a larger dividend having been anticipated; they leave off 38; to 34;. The accounts to be submitted to the shareholders at the general meeting, on Wednesday, have been circulated among the proprietary, and show this sold in three months to Cotober, 97906, 2s. 11d.; other credits, 200, 10s. 10d.; total receipts, 9816, 13s. 94. Three months' costs to the end of Sept., 6114, 13s. 44; showing a profit on the quarter of 37022, 0s. 5d., equal to a dividend of 12s. 6d, per share, or 74 per cent, per anomum on the present price of shares. The missells about 50 tons of tin per month (148 tons 5 ewts. sold in the quarter), at a cost of about 2000, per month, and a rise of 10f. per ton in would add 500, per month to the profits, while a fall would as sensibly decrease them. During the quarter 100 fins. 5ft. 4 in. of ground have been sunk and driven; 2030l. 17s. 7d. paid for tutwork (task work), and 29s. 1sc. 6d. of redessing tin; tribute, 64; 2s. 2d. The quantity of coals used in the quarter, 1991. 17s. 5d.; iron, 37t. 11s. 6d. (steel, 23t. 16s. 10d.; candles, 388 dozen, 1011. 17s.; cartridges, 6000, 2111. 10s.; tallow, 406. 2s. 10d., while 6s. 6d. paid for the grease. The whole of the articles of commerce consumed in working these extensive miss in the quarter cost than Great Wheal Vor, some little idea may be formed of the sums paid to merchants in a year on the part of the hundreds of misses now working in Cornwall and Devon, many of them at considerably greater cost than Great Wheal Vor, some little idea may be for

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On the Stock Exchange a fair amount of business has been transacted in Mining Shares during the week. The following quotations were officially recorded in British Mining Shares:—Clifford, 32; East Lovell, 14‡, 15‡, 15‡, 15‡; East Wheal Russell, 5; Prosper United, 3; East Basset, 48; Great Laxey, 19, 18‡; Great Wheal Vor, 35‡; East Caradon, 20. In Colonial Mining Shares the prices were:—Port Phillip, 1‡, 1‡, 1‡, 1‡, 1‡, 1‡; Cape, 10; Yudanamutana, 1‡, 1‡; Worthing, ‡, In Foreign Mining Shares the prices were:—Alamillos, 1‡, 1‡; Don Pedro, ‡; Pontgibaud, 7‡, 9; United Mexican, 5, 5‡; Panulcillo, 4‡.

IRISH MINE SHARE MARKET.—The fluctuations in the price of Con-norree shares have occurred "exactly as foretold" by us, as our extraor-dinarily successful weather prophet, Mr. Shepherd, C.E., is wont to say. The mine being divided into 50,000 parts, of 1l. each, it is natural that these should be widely distributed, and often fall into the hands of small these should be whely distributed, and often his limb the hands of small speculators, who temporarily invest their little spare cash in these shares, in full reliance on the still improving value of the mines, the practical skill of the regenerated management, and the world-wide same of the district. Of course, people thus shrewdly judging are also well aware that on so minute a division of capital the advance of every shilling per share is equal to a rise of 2500% on the value of the whole mine. We, therefore, acknowledge, with our usual modesty, that it required but moderate sagacity and to a rise of 2500l. on the value of the whole mine. We, therefore, acknowledge, with our usual modesty, that it required but moderate sagacity and experience to foresee that a sudden jump from about 20s. to 27s. per share would speedily bring many weak holders into the market, anxious at the close of the year, with its many concomitant demands on their small purses, to realise the premiums on their venture, and that such an influx of sellers would result in the reduction of the price. However, the reliance on the bona fide character of the reports of improvements in the mines presented a too smart a drop on the first rush, and 25s. per share may be quoted as the price obtained on an average during the last fortnight, and as the price obtained on an average during the last fortnight, and as the price obtained on an average during the last fortnight, and as the price obtained on an average during the last fortnight, and as the price obtained on an average during the last fortnight, and as the price obtained on an average during the last fortnight, and as the price obtained on an average during the last fortnight, and as the price obtained on an average during the last fortnight, and as the price obtained on an average during the last fortnight, and as the price obtained on an average during the last fortnight, and as the price obtained on an average during the last fortnight, and as the price obtained on an average during the last fortnight, and as the price obtained on an average during the last fortnight, and as the price obtained on an average during the last fortnight, and as the price obtained on an average during the last fortnight, and as the price obtained on an average and unity the corresponding periods of 1862 and 1863.

January Tona 123,785 93,593 131,673

February 125,221 191,657 114,658

January 125,221 191,657 114,165

September 121,329 95,659 124,407

October 121,329

next month. For Killaloe Slate shares an advance of 2s. 6d. was asked, but not granted. Carysfort shares are on offer.

The London Patent Coal Company, with a capital of 10,000%, in shares of 5£ each, has been formed for the purpose of purchasing and working its patent of Mr. David Barker, for forming patent fael, by compressing slack with a non-bitumiscus substance. The prospectus states that the purchase will be made "on moderate and satisfactory terms." It is stated that the machinery to turn out about 30 tons per day (of ten hours) is estimated to cost about 1000. The cost of the slack coal, it so conveyance to London, and its manufacture into the patent coal, ready for domestic and all other uses, is estimated not to exceed 12s. 6d. per ton, whereas the value of the coal in its complete state will be equal to that of the best coals supplied for domestic use in London. To those in the habit of putting coals on the fire with their fingers they proposed field possesses important advantages; being free from dust, it is quite clean, and can be handled without soiling; it is consumed very slowly, and leaves a residue of very good cinders; whereas the coal hitherto compressed, having bitumen mixed with it, burns fast, and is reduced to ashes. It is remarked that the company offers two very material advantages to the poor and working classes——they will not only receive all solid coal without soiling; it is consumed very slowly, and leaves a residue of very good cinders; whereas the coal hitherto compressed, having bitumen mixed with it, burns fast, and is reduced to ashes. It is remarked that the company offers two very material advantages to the poor and working classes——they will not only receive all solid coal without soiling; it is consumed very slowly, and leaves a residue of very good cinders; whereas the coal hitherto compressed, having bitumen mixed with it, burns fast, and is reduced to ashes. It is remarked that the company offers two very material advantages to the poor and working classes——they will no

cubic feet. It is mentioned that the timber with which the neighbouring forests abound, and the cheapness of rosin suitable for the manufacture of gas, are remarkable features in the value of the concession. It appears that Mr. John Potts, the concessionaire, accepts shares in the company as remuneration for the concession, but the number is not stated. Some of the vendor's shares are not entitled to dividend for two yoars, unless an average dividend of 10 per cent, has been paid to the other shareholders.

Mr. Evens of the Chattered Gas Company, will be consulting engineer. Mr. Evans, of the Chartered Gas Company, will be consulting engineer, and Mr. Bower engineer to the company. The population of the City of Mexico is 250,000.

The London and Provincial Mortgage Bank of England, with a capital of 200,000*l.*, in shares of 25*l* each, has been established to make free-hold and every description of land and property easily negociable. It is mentioned that the Credit Foncier, a similar company, showed a profit on the six months ending August equal to 180 per cent. per annum on the called-up capital. Negociations are pending for connections with the North of England.

At Dolcoath meeting, on Monday, the accounts showed a profit on the romonths' working of 2081?. A dividend of 2148!. (6?, per share) was declared.

we months working of 2031. A dividend of 21481. (61. per snare) was declared.

At West Seton meeting, on Tuesday, the accounts showed a profit on
the two months working of 1482. A dividend of 16001. (41. per share) was declared.

At the Wheal Trelawny meeting, on Wednesday (Mr. H. Hallett in the
tair), the accounts showed a balance of profit of 2002!. A dividend of 12s. 6d. per
tare was declared. Details in another column.

At Wheal Mary Ann meeting, on Dec. 13 (Capt. Peter Clymo in the lair), the accounts for the three months ending September showed a credit balance of 081. 19s. 5d. The profit on the three months "working was 4671. 11s. 3d. A dividend 5121. (10s. per share) was declased, and 16961. 19s. 5d. carried to credit of next acount. Capts. Clymo, Hodge, Harris, and Stevens reported upon the various operations.

22081. 19s. 5d. The profit on the three months' working was 4671. 1ls. 3d. A dividend of \$121. (10s. per share) was declaused, and 16961. 19s. 5d. carried to credit of next ascount. Capts. Clyme, Hodge, Harris, and Stevens reported upon the various operations. At the West Caradon Mine meeting, on Wednesday (Mr. R. Hallett in the chair), the accounts for the four months (July to Oct.), showed a loss of 14921. 10s. 11d. The general balance-sheet showed a credit balance of 3181. 12s. 3d. A call of 21. per share was made. Details in another column.

At West Wheal Vor meeting, on Monday (Mr. W. Gundry in the chair), a resolution was unanimously passed, authorising the committee to purchase West Wheal Metal. Details in another column.

At the Bryn Gwiog Mine meeting, on Tuesday (Mr. J. Balster in the chair), an adjournment took place until Monday, for the re-consideration of passing the accounts. Mr. W. Michell was appointed to the office of secretary, rendered vacant by the death of Mr. Dunsford. Details in another column.

At Trevenen and Tremenheere Mines meeting, on Dec. 9 (Mr. John Ware in the chair), the accounts for the three months ending September showed a debit balance of 13121, 10s. 7d. A call of 3s. per share was made. Mr. Ware was appointed purser, in the room of Mr. Weecomb, at a salary of 6f. 6s. per month. Captains Medles, Tippett, and George reported that their prospects were still good, and the tin returns were likely to increase. They have 199 hands employed.

At New Wendron Consols meeting, on Dec. 9 (Mr. F. Hill in the chair), the accounts for the three months ending Sept. showed a debit balance of 4804. 11s. 7d. A call of 10s. per share was made. Capts. R. Gluyas and John Curtis reported upon the various points of operation. They have 20 hands employed.

At the East Carn Broa Mine meeting, on Thusday (Mr. C. J. Furlonger in the chair), the accounts showed a reddit balance of 6814. 19s. 5d. The agents' report stated that the next sampling would not be less than 300 tons of ore.

At the East Wheal

At the Long Rake Mine meeting, on Tuesday (Mr. G. Batters in the chair), Mr. W. Lavington was appointed secretary in the room of Mr. Dunsford, deceased. At the Pontgibaud Silver-Lead Mining and Smelting Company annual general meeting, held at Parls, on Dec. 3, the accounts for the year ending June 30 were received and adopted. The net profit for the 12 months amounted to the sum of 10,144, 15s. 3d., which added to the balance previously at the credit of profit and loss account. 289, 3s. 3d., made the sum of 10,4034, 18s. 11d. available for division. A dividend of 20 frs., or 16s. per share—equal to 80001, was declared, after which, setting saide 1011, 9s. 6d. for the reserve fund, and 500f. 14s. 9d. for the consell "abunilaration, a balance of 8861, 14s. 8d. is carried to the credit of profit and loss account. Favourable reports were presented by the consell, and by Messra. Taylor, the engineers of the company; Messrs. Bontoux, De Noullez, Gladstone, and Monchicourt, members of the course of payment.

At Great Wheal Vor United Mines meeting, on Wednesday next, the At treat wheat vor United Mines meeting, on wednesday nex-accounts will show a profit on the three months' working of 3090.1.7s. 8d. The ti in the three months ending October amounted to 148 tons 5 cwts. 1 qr. 26 lbs., realised 97961.2s. 11d.; the mine cost was 53511.0s. 3d.; dues, 5291.12s. 3d.; a London and travelling expenses, 2341.0s. 10d.: leaving the balance of profit as ab

Coal Market.—On Monday the fresh arrivals were 72 ships, affording an ample supply for the immediate requirements of the trade. Household coal met with a fair enquiry at slightly lower prices. Hartley's gave way 6d.; best house coal, 22s. to 22s. 6d.; seconds, 20s. 6d. to 21s. 6d.; Hartley's, 17s. 6d. to 18s. 3d.; manufacturers', 17s. to 18s.—On Wednesday only 29 ships came to hand; the market was quiet, house coals quoting slightly lower prices.—On Friday a large portion of the fleet arrived (133 ships), and business was very active at fully last prices for all descriptions of coal. Hetton Wallsend, 22s. 6d.; South Hetton Wallsend, 22s. 6d.; Tees Wallsend, 20s. 3d.; Framwellgate Wallsend, 21s.; West Hartley, 18s.; Tanfield Moor, 18s.: 11 cargoes unsold; 100 ships at sea.

Nova Scotia Coal Trade.—The whole amount of coal raised and sold

NOVA SCOTIA COAL TRADE.—The whole amount of coal raised and sold

constant growth of consumption, of the French demand for English combustible being reduced below its present level.

PURCHASE OF A COAL FIELD BY THE FRENCH GOVERNMENT.—"Several foreign journals (says the Constitutionsel), in mentioning a proposition made to the French Government to purchase near its frontier coal mines of considerable extent, have added details which are completely incorrect, and which misrpressent the purely commercial and industrial character of the arrangement. The following information on the subject we believe to be correct;—The coal bads in question extend to a length of 25 miles, by a breadth of 10. The annual production is 60 millions of quintals (221½ ib. each), and may be easily doubled, for several centuries, without fear of exhaustion. The coal, the quality of which is far superior to that of Belgium, is, according to an examination ordered by a German Government, only one per cent, below that of Newcattle. In the extent of ground'abovernment only one per cent, below that of Newcattle. In the extent of ground'abovernment, only one per cent, below that of Newcattle. In the extent of ground'abovernment of which would be consequent on the purchase of the mines in question. Our letters informs us that the piace alluded to is on the coast of the German Goean, and has an excellent harbour, atmost opposite Heilgoland. The coat of the coal, extraction and transport included, would be 20 centimes the 100 kitogrammes. Our letters and that the negociations which have been opened are progressing satisfactorily."

TERMINATION OF THE SOUTH YORKSHIRE COLLIERS' STRIKE.—The strike at several of the South Yorkshire collieries, which took place in the early part of the year, terminated on Thursday, after a struggle extending over forty-three weeks. It will be recollected that in February the miners employed at the Oaks and High Royd Collieries demanded an increase of 10 per cent, which was refused by the masters, on the ground that the prices paid in the district were considerably higher than those gi

DREADFUL COLLIERY ACCIDENT-NINE MEN DROWNED .- A dreadl accident took place on Thursday morning, at the works of Messre. Craig, Taylor raig, Leaswood Green Colliery, near Mold, whereby nine men lost their lives, use of the accident is attributed to water rushing into the pit where the men orking from an adjoining old pit.

working from an adjoining old pit.

His ROYAL (FOREST OF DEAN) MINING COMPANY have purchased the Blahwell Colliery, near Swansea, and now in work; also 3-4ths of the High Delf Engine Colliery Gale, adjoining the Company's Royal Colliery Gale.

SALE OF BYER'S GREEN COLLIERY.—This colliery, belonging to the West Hartlepool Harbour and Railway Company, was brought to the hammer, by Mr. C. Brough, at Mr. Turner's, the County Hotel, on Tuesday. There were a large number of gentlemen present. The bidding was commenced by Mr. Lasae Lowthian Bell, with the offer of 30,0001, his last bid being 44,5001. Mr. Richard Heckels, colliery viewer, Penaher House, bid 36,5001; Mr. John Clayton, Newcastic, offered 41,6001.; Mr. Geo. Dyson, of Tudhoe Ironworks, 50,4001.; and Mr. John Mariey, angineer, Darlinston, 51,1001. The last offer made was by Mr. Joseph Dodie, Stockton—51,2007. The colliery was afterwards purchased privately by Mr. Dodde, for Messrs. Bolckow, Vaughan, and Co. (Limited), for 83,0001., the amount of the reserved bidding.—Durham Advertiser.

PORT AUGUSTA AND NORTHERN RAILWAY COMPANY OF SOUTH AUS-RALIA (Limited).—A resolution has been passed in the Legislative As-tembly of South Australia granting four square miles of country, in lieu of two originally granted, for every mile of railway made north of Port

GUNPOWDER SUPERSEDED IN BLASTING.—Mr. T. M. Evans, of Rus-bon, Denbigh, proposes to use tin tubes filled with explosive gas, and her-metically sealed, as a substitute for gunpowder in blasting. As might naturally be supposed from the impracticability of the proposition, the patent applied for was not proceeded with.

Flexible Tubing for Ventilating Mines.—Mr. Ellis Lever, of Manchester, proposes in the manufacture of flexible tubing to rivet or bolt the hoops or rings to the flexible material during the operation of sewing or otherwise seaming the material to form the tube. To some of these rivets or boltshe attaches a ring, or partial ring, to hang outside the tubing, for the purpose of suspending such tubing, so as to keep it from damage.

ORE CRUSHING MACHINERY,—Messrs. Smith and Roberts, of Widnescek, near Warrington, have patented a modification of Blake's stoneusber, which consists in applying the power to move the jaw beyond the fulcrum
stead of on the crushing side. The lever is worked by atoam from a crank-shaft.

A CHIMNEY, about 100 feet high, comprising about 90,000 bricks, and atimated to weigh over 200 tons, was recently moved a distance of 100 ft. in Worcester, fassachusetts, without breaking a brick.

LEAD ORES. Purchasers. Walker, Parker, & Co. A. Eyton. 12 13 0 12 13 0 16 3 0 16 19 0 Sims, Willyams, & Co. Panther Co. ditto Sims, Willyams, & Co. Newton, Keates, & Ca. 16 16 0 Panther Co. BLENDE. | Sold on the mine. | Purchasers. | Purchasers. | Sold on the mine. | Purchasers. | Sold on the mine. | Purchasers. | Sold on the mine. | Purchasers. | Purchasers. | Sold on the mine. | Purchasers. BLACK TIN. Mines. Tons c, q, lbs. Price per ton. Amount. Purchasers. Kitty (8t. Agnes). 20 7 2 28 £1197 14 0—

COPPER ORES.

NO SALE on Thursday last, December 15.

NO SALE on Thursday last, December 15.

Copper ores for sale on Thursday next, at the Royal Hotel, Truro.—Mines and percels.—Devon Great Comole 2321—East Caradon 491—Marks Vallay 450—Devon and Cornwall 291—Okel Tor 216—Bedford United 194—Brookwood 137—Kelly Bray 110—Wheel Friendship 81—Bampfyled 75—North Robert 690—Calstock Comeols 49—Fursdon 39—Wheel Edward 33—Lady Bertha 31—South Bedford 30—Sortridge Consols 25—Hawkmoor 15.—Opie's Ore 1.—Total, 4650 tons.

Copper ores for sale on Thursday week, at Tabb's Hotel, Refruth.—Mines and percels—Clifford Amaigamated 628—South Caradon 600—Phosnix Mines 407—Hallenbergie 362—Fowey Consols 350—West Damsel 310—Great Wheal Buay 268—Craddock Moor 248—Great North Downs 200—Wheal Rose 187—Glasgow Caradon 150—Bessewer 90 Great Brigan 67—Falmouth and Sperries 20—North Grambler 18—Grambier and 84. Aubyn 14—Harvey's Ore 7.—Total 3826 tons.

WATSON AND CUELL'S MINING CIRCULAR.

WATSON AND CUELL, MINING AGENTS, STOCK AND SHARE DEALERS, &c. 1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

Mesers. Warson and Cuell having made arrangements for transferring their weekly Circular, which has had so large a circulation during the past ten years, to the columns of the Mining Journal, their special reports and remarks upon Mines and Mining, and the state of the Share Market, will be feture average in this column.

remarks upon Mines and Mining, and the state of the Share Market, will in future appear in this column.

In the year 1843, when Cornish mining was almost unknown to the general public, attention was first called to its advantages, when properly conducted, in the "Compendium of British Mining," commenced in 1837, and published in 1843, by Mr. J. Y. Watson, F.G.S., author of "Gleanings among Mines and Miners," "Records of Ancient Mining," "Cornish Notes" (first series, 1862), "Cornish Notes" (second series, 1863), "The Progress of Mining," with Statistics of the Mining Interest, annually for 21 years, &c., &c. In the Compendium published in 1843 Mr. Watson was the first to recommend the system of a "division of small risks in several mines, ensuring success in the aggregate," and Messrs. Watson and Cuell have always a selected list on hand. Perhaps at no former period in the annals of mining has there been more peculiar need of honest and experienced advice in regard to mines and share-dealing than there is at present; and, from the lengthened experience of Mossrs. Watson and Cuell, they are emboldened to offer, thus publicly, their best services to all connected with mines or the market, as they have for so many years done privately, through the medium of their own Circular.

Messrs. Watson and Cuell transact business in the purchase and sale of mining shares, and other securities, payments of calls, receipt, and transmission of dividends, obtaining information for clients, and affording advice, to the best of their knowledge and judgment, based on the experience of more than 30 years active connection with the Mining Market.

Messrs. Watson and Cuell also inform their clients and the public, that they transact business in the public funds, railways, docks, insurance, and exercity other description of shares deals in on the Stock Exchange.

that they transact business in the public funds, railways, docks, insurance, and every other description of shares dealt in on the Stock Exchange.

Mesers. Watson and Cuell are almost daily asked their opinion of par-

ticular mines, as well as to recommend mines to invest or speculate in, and they give their advice and recommend mines to the best of their judgment and ability, founded on the best practical advice they can obtain from the mining districts, but they will not be held responsible, nor subject to blame, if results do not always equal the expectations they may have held out in

a property so fluctuating as mining.

Messrs. Warson and Cuell having agents and correspondents in all the mining districts, and an extensive connection among the largest holders of mining property, have the more confidence in tendering their advice on all matters relating to the state and prospects of mines and mining companies, and are enabled to supply shares in all the best mines at close market prices, free of all charges for commission.

Injurious as the system of "bearing" shares is to the bona fide share-holders, we feel, and know, that it is impossible to stop it altogether; and, perhaps, to a certain extent, when it acts as a gentle check to the exuberant fancies of the "bull," it may be a sort of necessary evil; but it does seem strange to us that systematic "bearing" should be encouraged and assisted by large shareholders themselves. Yet such is the fact. In the celebrated "walk" of a certain personage, he describes a pig which he saw swimming up a river, and which at "every stroke was cutting his own throat;" and the example seems to be followed by some of the shareholders in mines. The object of the "bear" is to sell largely of shares, though he does not possess one, in any mine that is prominently before the public. He will sell to the extent of hundreds, and having sold, of course, his interest is to depreciate the property as much as he can, that he may pick up the shares cheaper than he sold at before the settling-day arrives; and, if he cannot do this, he knows he can go to certain large shareholders and, for 6d. or 1s. per share, borrow the shares to deliver on account-day, and so give him longer time to use his depressing influences, and prevent many good mines from reaching their fair and legitimate value. This sort of thing has been in constant practice at Wheal Crebor, and will account for present prices. for present prices.

WHEAL ALBERT.—This mine, situated between the celebrated Old Shepherds and North Chiverton, has been strongly recommended to us as one likely very soon to pay its way, and one or two important points are coming off. There are 3000 shares in it, nearly all of which are held by local parties, who are not, we are told, desirous of selling. But we are offered from 100 to 200 on reasonable terms, and intend having the mine inspected, and, if the report be such as to satisfy us, we shall take the shares; and any clients wishing for 10 or 20 each can have them at 2s. 6d. per share beyond the price we pay for them. share beyond the price we pay for them.

CORNISH PUMPING ENGINES.—The number of pumping engines reported for Oct. is 34. They have consumed 2128 tons of coal, and lifted 15'2 million tons of water 10 fms. high. The average duty of the whole is, therefore, 48,100,000 lbs. lifted 1 ft. high, by the consumption of 112 lbs. of coal. The following engines have exceeded the average duty:—

| - | Boscawen-70 in | 56.8 |
|---|--------------------------------------|------|
| 1 | Chiverton - Cookney's 60 in | 52.7 |
| | Cargoil Mines—Michell's 72 in. | 55.3 |
| | | 54.8 |
| | Cook's Kitchen-50 in | |
| - | Crane-70 in | 56.3 |
| - | Great Wheal Busy-Harvey's 85 in | 58.5 |
| - | Great Work-Leeds' 60 in. | 65.2 |
| | North Wheal Crofty-Trevenson's 80 in | 57.3 |
| | South Wheal Frances-Marriott's 75 in | 25.5 |
| | Treloweth-60 in | 48'4 |
| | West Caradon-Elliot's 50 in | 63.2 |
| | West Wheal Seton-Harvey's 85 in | 29.1 |
| | Wheal Curtis 70 in | 48.8 |
| | Wheal Ludcott-Willcocks' 50 in | 55.0 |
| | Wheal Margery Welsley's 45 in | 55.8 |
| | Wheal Seton Tills's 70 in | 57.6 |

"LETTS'S DIARIES" FOR 1865.—To comment upon the merits of annual which have obtained for themselves such a reputation as secures them a regular circulation of upwards of a quarter of a million copies would be altogether unnecessary: we may, therefore, content ourselves with simply stating that the editions for 1865 are now published, and that they are in every particular equal to their predecessors. Besides the usual almane matter, "Letts's Diaries" embrace a list of London and country bankers, army and navy agents, list of the members of both Houses of Parliament, English and Seotch fairs, and the tariff of Customs' duties, whilst in the shape of historical information we have an account of the highest and lowest prices of the Funds, and a commercial summary for the year, compiled in the most concise and careful manner. The diaries are issued in almost every size, from a card-case almanac to a full sized deak diary; and the different styles of binding, which are already very numerous, have this year been materially increased; and the selection now embraces such varieties of russis, morcoco, caf, roan, velvet, and kid, that the most fastidious will be able to make a choice to suit his taste. For office purposes No. 11 is as useful a diary as could well be made, whilst No. 12, though large enough for all ordinary purposes, is enclosed in a pocket-book of convenient size, which no man of business would consider inconveniently bulky. "LETTS'S DIARIES" FOR 1865.—To comment upon the merits of annual

ACCOUNTANTS' CHARGES .- The decision of the Master of the Rolls in the case of Maymott v. Maymott has attracted a good deal of attention. The accountant in this case had been appointed by the Master of the Rolls, on the application of the plainin this case had been appointed by the Master of the Rolls, on the application of the plaintiff, as the accountant, to take certain partnership accounts. It, by the Act of Parliament
under which the Judge was empowered to obtain the assistance of an accountant (15 and
16 Vic., e. 80, ss. 42, 49), the allowance in respect of fees was regulated, if necessary, by
the Taxing Master of the Court of Chancery, subject to an appeal to the Judge, whose
decision was final. The question in this case was at what rate an accountant could
charge per day for his services. The accountant here had charged four guineas a day,
and the Court cut down his charge to two guineas, on the ground that the payment in
such cases might be fairly governed by the roles and rates of remuneration laid down
by the Lord Chancellor for accountants in the Court of Bankruptcy, which are two guineas
for the principal himself, one guinea for his first clerk, and 15s, per day for every other
legitles time.

Issuing and Appopriation of New Shares.—The Court of Chancery ISSUING AND APPOPRIATION OF NEW SHARES.—The Court of Chancery with into interfere with the internal management of a joint-siock or incorporated company. But where the directors of a railway company, acting upon an old resolution of the shareholders, authorising the directors to raise additional capital, and, without notice to the general body of the shareholders, are about to issue new shares and appropriate them for an object different from that in respect of which the power was given to raise moneys by the issuing of shares, the Court will interfere by injunction to restrain the directors from issuing and appropriating such shares. Vice-Chancelor Wood did so in the case of Fraser v. Whalley, the plaintiff being a shareholder in the Oswestry and Newtown Railway Company, in Wales.

THE MAGNESIUM LIGHT.—A singular circumstance was communicated to the French Photographic Society at the last sitting by M. Placet. The magnesium light is so powerful, that when placed at a short distance from the object-glass is will melt its surface. An object-glass spoilt in this way was produced by him at that sitting Photographers had better take the hint, and not bring the light too near the apparatus

LONDON GENERAL OMNIBUS COMPANY,—The traffic receipts for the sek ending December 11 was 11,7151. 2s. 5d.

THAMES TUNNEL COMPANY.—Receipts for the week ending Dec. 10, 791. 2s. 11d.; number of passengers, 18,995.

Dublin International Exhibition.

DUBLIN INTERNATIONAL EXHIBITION OF FINE ARTS

UNDER THE SPECIAL PATRONAGE OF HER MAJESTY THE QUEEN.

UNDER THE SPECIAL PATRONAGE OF HER MAJESTY THE QUEEN.

Intending Exhibitors are informed that the 31st December is the latest day on which APPLICATIONS FOR SPACE will be received. The requisite forms can be obtained at the House of the Society of Arts, John-street, Adelphi, London, W.C., or at the Exhibition Palace, Dublin.

By order,

HENRY PARKINSON, Sec.

Notices to Correspondents.

* Muchinconvenience having arisen in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be regularly Aled on receipt: it then forms an accumulating useful work of reference.

Total of A Collier's Visit to A Cornish Copper Mine.—Our excellent correspondent, "Collier," having availed himself of an opportunity of re-writing and elaborating the second of his letters on this subject (which had been necessarily somewhat harriedly prepared), has added many additional particulars, the publication of which will bere-numed in next week's Journai. The series will then form a most valuable contribu-tion to our columns, and be of considerable interest to all connected with the working of both collieries and metalliferous mines.

ing.—Will any reader kindly inform me, in next week's Journal, on the following point?

—Can a body of directors meet and make a call without any previous intimation to the shareholders, and then refuse to furnish any particulars of how that meeting was constituted, or the subscribed capital (half the limit) has been expended, and yet enforce the call?—INQUIRER.

Force the call?—INQUIRER.

**PENHANCE COMMONS.—How is it that this mine does not appear in the list of Progressive

**Minss?* I have looked for it week after week. It surely is a property overlooked by

the mining public. I was in the neighbourhood of the mine not long since, and had

the curiosity to visit it, when I found that at a depth only of 20 fms. from surface

the principal shaft is down on one of the finest lead lodes that can be seen in the

county, almost, I should say, rich enough to pay the cost of the mine. I am sure that

the lodes are sufficient to justify the immediate erection of a larger engine than the

one now on the mine, and that if there ever was a mine in the county worthy of vigo
rous working it is Pennance Consols. Ilearned while there that the adjoining ground

between Pennance and Swanpool Mines is forthwith to be worked by some wealthy

local residents.—Viators.

**Tarant's Results... Macuss... The rophy for your correspondent of last week, we have to

DELASK'S HORING-MACHINE.—In reply to your correspondent of last week, we beg to state that Capt. Rickard informs us he has been unable to report upon Crease's boring-machine for us, in consequence of the one at Gunnislake not being at work.—Wern, Geach, and Co.: 8, Finch-lane, E.C.

machine for us, in consequence of the one at Gunnislake not being at work.—Werr, Grach, and Co.: S. Fisch-lane, E.C.

Crease's Borino Machine.—Reading at various times in your valuable Journal the questions asked, and the evasive replies given, as to the amount of power required for working these machines, the amount of work to be done in hard ground, where one of the machines can be seen working underground, open cutting or tunnel, and the result of the trial at East Gunnislake, if satisfactory or not, Mr. Green's remarks on this machine do not appear in the least satisfactory.—Miner.

Crease's Bourso.—Machine.—Will the judges who witnessed the trial of Crease's boring-machine at Falmouth kindly inform the mining public, through your valuable Journal, at what rate it bored, the quality of the stone operated upon, and the amount of power required; also, whether there was any competition for the medal?—S.

Paying Miners.—Having noticed, in last week's Journal, the various observations and remarks of the deputation who have lately visited Devon and Cornwall to investigate the mode of working mines, the ventilation, and mode of payment. It is, I think, a very hard case when miners first settle in a mine to have to work two months without receiving any pay, as they are entirely dependent on the shopkeepers for support, and subject to overcharge and inferior goods. Capt. P. Clymo remarks that the present mode of payment prevents men from moving about. I think some plan should be adopted to pay the miners once a fortnight, or to let them have a subsist, as formerly. If the present mode of payment were tried on the artizan, we should get no one to work. Alluding to the taily system, I think it would be a great biessing to the miners and their families if a combination was entered into to expel it from the counties. The cry should be, one and all—Down writh the Systems.

cry should be, one and all—Down With The SYSTEM, COURTH WHEAL SETON.—Some time ago I became a shareholder in this copper mining company (limited). I paid certain moneys according to requirement, and I had no idea but all was going on right until this morning (Dec. 14), when I received a circular from the Court of the Vice-Warden of the Stannaries, Stannaries of Cornwall asking me to become a party to the winding-up of the concern. I shall feel oblige if someone connected would tell ms the reason the company is being wound-up.—A

If someone connected would tell me the reason the company is being wound-up.—A SMAREHOLDER.

THE PRESCELY HILLS, PEMBROKESHIES.—A communication on the geological formation, and probable metallic lodes, of the Prescelly Hills shall appear in our next.

FETROLEUR AS STEAM FUEL.—" P." (Holborn).—The article showing the fallacy of the proposition to substitute petroleum for coal as a steam fuel, to which "P" alludes as having been published in the "American Gas Light Journal," was reprinted in the Mining Journal of July 9 last. It was therein shown that under the most favourable circumstances "petroleum is 12½ times as dear a fuel as coal." In the Journal of Sept. I7 it was stated that "the relative amount of carbon and hydrogen in petroleum is about six parts of carbon to one of hydrogen; whereas in coal the amount of hydrogen is less in proportion, and there is also a small amount of oxygen present, which diminishes the heat. The result is that the heat-producing power of petroleum is greater than that of an equal weight of coal; it is, in fact, about haif as much again. Even assuming that I ton of petroleum has twice the heating power of I ton of coal, the use of the former would be by no means desirable, owing to the enormous difference in price. A great stress is laid upon economy of stowage; but as coal is half as heavy again as petroleum, it follows that, making every allowance for the loss of space caused by the interstices of the broken coal, there would be little advantage gained in this respect by the use of petroleum. It would doubtless be interesting were the profitable employment of petroleum for making steam demonstrated beyond a doubt, and we would throw no obstacle in the way of such a result; but we conceive that we are doing good service to all parties in placing before them whatever information can be obtained from any source regarding the use of this comparatively new article of commercial industry, even though it should seem to be against its introduction into more extended channels of trade."

INE REPORTS.—It would be very gratifying to distant shareholders in New F Russell and East Bottle Hill Mines if the agents would send monthly reports to y

Russell and East Bottle Hill Mines if the agents would send monthly reports to your valuable Journal.

Sknow's System or Grology.—But for the fear that it would have been wasted upon him, we should have quoted the Latin provers, which recommends a cobbler to confine himself to the treatment of slippers, as a full reply to "A Bristol Reader's" communication, which, we regret, shows so little power to distinguish between argument and abuse, that we cannot accede to his request to publish it. The epithets applied to Mr. Eanor would, probably, apply with equal, or even greater, force to "A Bristol Reader." As the document evidently emanates from someone connected with the local Mining School, it would have been better had the writer submitted it to Mr. Handel Coasham, or some other gentleman of equal discretion, in order to prevent discredit reflecting upon so valuable an institution. With regard to Mr. Ennor's letters, it cannot be pretended that there are no statements the accuracy of which is open to question; but, at the same time, it is admitted by men of great geological experience that few series of letters, occupying equal space, contain more assertions calculated to create enquiry, and to expose geological fallacles—now too widely believed in—enabling those fallacles to be replaced by facts in the recognised text-books of the science. For instance, there is now no man of established reputation who seriously believes in the igneous theory, although the want of courage mongst those who have been teaching it for years prevents them from openly acknowledging their error. Had Mr. Handel Coasham read the letter signed "A Bristol Reader," he would at once have pointed out that a style of writing admissible from a practical miner could not be tolerated from a man of education; and that it is only when a writer is incapable of refuting an argument that he descends to an attack upon the language used. We trust we may long be favoured with the views of men so eminently practical as Mr. Eunor, and shall at all times b

THE MINING JOURNAL Bailway and Commercial Gazette.

LONDON, DECEMBER 17, 1864.

The opinion, long too general both in Erin and in England, that the interests of the two countries are opposed to each other has, happily, now almost disappeared, and it may safely be predicted that ere another summer has passed over us the mutual good feeling between the two races will be universal. The preliminaries for the "Duellan International Exhibition of 1865" are now finally settled, and it is gratifying to find that the endeavours to secure its success are quite as great in this country as in Ireland itself, owing to its being now thoroughly recognised that whatever tends to the advancement of the one country must prove equally beneficial to the other. The means of intercommunication are now so admirable that no greater difficulty axists in reaching Dublic than in makbeneficial to the other. The means of intercommunication are now so admirable that no greater difficulty exists in reaching Dublin than in making the journey to many of the principal towns in Great Britain, and as the labours of the Exhibition Committee have hitherto received the highest approval, both from our own Government and those of other countries, all consulted expressing the earnest desire to promote the Exhibition to the utmost of their power, it may be anticipated that in 1865 Dublin will possess an attraction to be found in no other part of the world. The Exhi-

bition Committee is composed of the most influential men in Ireland, and from these an executive of twenty has been chosen, whose very names would be received as evidence that failure would be impossible. With such men as William Dargan, Sir Robert Kane, Francis W. Brady, Q.C., Sir Richard Grippith, and Hercules MacDonnell, aided by others almost equally distinguished for their energy and patriotism, to direct it, the manner in which the project will be carried out can be at once anticipated, and there is no doubt their labours will be well rewarded by the gratification they will have from knowing that they have been the means of cementing the hearts of Englishmen and Irishmen to an extent previously unknown.

contens almost equally dissinguished for their energy and particities, to direct it, the manner in which the project will be carried out can be at once anticipated, and there in no doubt their abours will be well rewarded by the graification they will have from knowing that they have been the provincing that they have been the most libral content of the provincing that they have been the most libral character; the productions of all nations will be admitted; no rent will be charged to exhibitors; all imported goods are admitted day free; ample motive-power, both steam and water, will be provided without charge; and every facility will be given for the sale of goods exhibited, whilst, with a view to make the objects of the exhibition more extensively known, an interesting paper "On the Recent Projects and Present State of Industry in Fehani, and the Dublin faircransional Exhibition of 1865," whose name will long be favourably remember the theory who really laboured to make the controls industrial resources of Industrial known throughout the kingdom. From this paper it appears that the accommodation at the disponal of the Committee is already very large, and that the principal portions of the Exhibition will be located in the great commendation at the disponal of the Committee is already very large, and that the principal portions of the Exhibition will be located in the great conservations of the winter garden -contractions in glass and from training that Carlot and the product of the tension and the product of the winter garden -contractions in glass and from training the Carlot and affording advantages as to supply of light and means of display which could not it as appeared. Their those favourable ceincustances, it may be hoped that, not servely in the most approach of the winter garden -contractions in glass and from training the Carlot and the products of their facinities and affording advantages as to a

nations as or individuals.

The greatest attention was paid to the reading of the paper, and at its conclusion an animated discussion was opened by the Chairman (Lord DUFFERIN, K.G.), Lord POWERSCOURT, Mr. V. FITZGERALD, Mr. HEE-DUFFERIN, K.G.), LOrd POWERSCOURT, Mr. V. FITZGERALD, Mr. HERCULES MACDONNELL, Mr. ANTONIO BRADY, Mesers. CHICHESTER FORTESCUE, COLE, BACHHOFFNER, HAWES, and others taking part. Mr. FITZGERALD expressed his belief that the best results might be expected from hearty co-operation in the views of the executive committee. The principle of improvement inherent in exhibitions like the forthcoming one was most powerful, indeed, the extent to which it told was hardly possible to estimate. Mr. MACDONNELL had visited the southern portions of the Continent. France had promised her hearty co-operation, and similar encouragement had been received in various other countries on the Continent. He believed that they should have a very good representation of the special couragement had been received in various other countries on the Continent. He believed that they should have a very good representation of the special products of each. Mr. Brady had performed a similar office in the North of Europe; he had induced the Swedish minister to promise to send the treasures of Scandinavian art to the Dublin Exhibition in a Swedish man-

of Europe; he had induced the Swedish minister to promise to send the treasures of Scandinavian art to the Dublin Exhibition in a Swedish manof-war—the training-ship for the cadets of the Swedish navy. Denmark also, he believed, notwithstanding her recent disasters, would be splendidly represented; and he could tell the collectors of British art that it behoved them to send good specimens to the Irish Exhibition, if they did not want to be totally eclipsed by the noble representation of Scandinavian art that would be there exhibited.

There can be no doubt that the primary object of all exhibitors, whether at the great International gatherings at London, Paris, Dublin, &c., or at the smallest local show, is the extension of the business with which they are personally connected, and in this respect the Dublin International Exhibition of 1865 will probably afford a more favourable opportunity for bringing the merits of useful manufactures and contrivances prominently forward than any that has preceded it. The extent of the Exhibition space is less than that at the disposal of the Commissioners of 1862; but this will be amply compensated by the increased care to exclude exhibits which have balk alone to recommend them. The public will be better able to devote the requisite time to examine the products shown; and as we understand it is not intended to scatter the medals and honours almost broadcast, as was the case in 1862, the fact of obtaining a prize at Dublin will really be some proof that the article obtaining it has some unusual advantage. The Commissioners intend to avail themselves of the experience of those who have preceded them, and to avoid, as far as possible, the errors into which they have fallen, without, however, so far departing from the

course before adopted as to risk the creation of other evils equal to those

A prospectus has been issued of the CALDBECK FELLS CONSOLIDATED LEAD AND COPPER MINING COMPANY (Limited), with a capital of 60,000l., in 30,000 shares of 2l. each, of which, however, it is not expected that more than 1l. per share will be required. The properties to be worked include the Roughten Gill Mine, the Dry Gill Mine, and the Carrock End Mines. The former, now working on a very limited scale, is making about 2000l. a year profit; but, when laid open on an adequate scale, this profit can, in the opinion of Mr. Evan Hopkins, be almost indefinitely increased. His words are—

I unheattatingly recommend these mines, as they only require sufficient means to open the veins, extract the crea and reduce them, on the magnitude of such mines as the Great Devon Consols, St. John del Rey, &c., to place them in a correspondingly remunerative and lasting condition.

nerative and lasting condition.

Of this mine Mr. J. H. Hitchins (of Devon Consols) also reports:—
This mine, however, has been worked only above the deep adit, without anything like sufficient capital, and, therefore, with a limited number of hands only, in a cramped, plecement, irregular, and, consequently, imperfect manner, which will always leave the effectual development of a mine a long way behind. There will, beyond a doubt, be found much greater and richer courses of ore in Roughten Gill, under the magnificent great gossan lode in the deep adit, than have been found above it. Indeed, if fell on besitation in saying that, if the great masterly lodes of Roughten Gill, carrock End, and Dry Gill, are opened out deeper, and on an extended scale, as I have recommended, such trails will not fail to be attended with very great success, much greater, indeed, than is to be inferred from anything I have said in this report.

The numbers moreover of these proposaries is 20 0002, helf naveable in each

to be inferred from anything I have said in this report.

The purchase-money of these properties is 20,000\(lambda\), half payable in cash, by instalments, and half in shares. Of the sum of 10,000\(lambda\) to be thus paid in cash, 8000\(lambda\) is the valuation of the machinery and plant—so that, in fact, the vendors only receive 2000\(lambda\). in money for their interest in the mines, in addition to the 10,000\(lambda\). in money for their interest in the mines, in addition to the 10,000\(lambda\). in shares—which is considered a moderate payment for property including a mine returning 2000\(lambda\). It may be interesting to the public to know that the Roughten Gill Mine was first worked about 35 years ago by a local company, which included the names of the late ROBERT STEPHENSON (the great engineer), the late HUGH PATTINSON (inventor of the desilverising process), and Mr.

the late Hugh Partinson (inventor of the desilverising process), and Mr. Thomas Sopwith, F.R.S. (manager of the W. B. lead mines), when the profits divided averaged 700*l*, to 800*l*, per cent. per annum on the capital for many years—the 12*l*, paid shares having paid for years from 80*l*, to 100*l*, per cent. per annum on the capital for many years—the 12*l*, paid shares having paid for years from 80*l*, to

for many years—the 12t, paid shares having paid for years from 80t, to 100t, per annum. In consequence of this great success, the landowners refused to re-grant on anything like reasonable terms, and the mine passed out of the hands of the company including the eminent names mentioned. The Chairman of the new company is Sir Robert Brisco, Bart., Crofton Hall, Cumberland; and the direction also includes the name of Mr. Adam Schoales, director of Great Wheal Vor. The solicitors are the Messrs. Calthorp, of Whitehall-place. A large proportion of the shares are already taken up—one landowner in the district taking 1000.

PETROLEUM AS STEAM FUEL.

PETROLEUM AS STEAM FUEL.

It is much to be regretted that persons are still to be tound whose time is of so little value that they can afford to employ it in attempting to substitute petroleum for coal, as a fuel for generating steam for marine purposes. It is reported that an elementary course of experiments was commenced last week, in the factory department of Woolwich Dockyard, with a view of testing the capacity of petroleum to supersede coal and other fuel on shipboard, and also in propelling steam machinery in the factories. The method adopted is totally distinct from that attempted some time ago in the United States of America, and is the patented invention of Mr. C. J. Richardson, an engineer residing at Kensington. He has submitted his plans to the Lords of the Admiralty, and has obtained permission to carry out his suggestion for the benefit of Her Majesty's service. The method is described as exceedingly simple, and, as stated by Mr. Richardson during the trials, it originated mainly from some comments on the subject, contained in an article which appeared in the Times of April 7 last. Of course it must be presumed that the "permission to carry on this suggestion for the benefit of Her Majesty's service," will bear the interpretation that he is "permitted to make experiments at Woolwich at his own expense, for showing the merits of his invention." And comparing Mr. Richardson's petroleum burner with other petroleum burners, he may or may not have petroleum burner with other petroleum burners, he may or may not have made improvements; but to compare any petroleum burner whatever with an ordinary furnace, however carelessly constructed, the petroleum can be made even to appear superior to coal, is by giving currency to statements which, when carefully considered, prove nothing, and carefully suppressing all those facts which are necessary to be known, in order to form any accurate conclusion as to the precise portions of the invention which have given rise to the fallacious notions.

Of course, there i

curate conclusion as to the precise portions of the invention which have given rise to the fallacious notions.

Of course, there is not the slightest probability of the trials proving the invention to be of any practical utility; but the Times remarks that if the experiments should prove successful there is no doubt a reconstruction of the navy will be the result, as an enormous economy will be obtained both in the cost of fuel and in the saving of the immense space now occupied by the coal bunkers to be applied to other purposes. The plan under trial is simply to burn the petroleum through a porous material, which is placed in an iron chamber, dipped into a water vessel, also of iron. The oil admitted into the chamber soddens the porous material, and rises by a sort of capillary attraction. The surface then catches fire end burns rapidly, as long as the oil is supplied. The effect of the flame is so great that, with the small apparatus, which is only 2 feet superficial area, and affixed to a boiler, the oil on Saturday was utilised so as to be equal for steam purposes to 5 tons of coals. A third advantage is obtained by the employment of the petroleum—that no stokers are needed, and the boilers can be supplied with several fires one above another. The small grate used in the experiments was placed under a boiler of 17-horse power, and in two hours it raised the steam to 10 lbs. pressure. The only objection seems to be the fear of explosive qualities, but these Mr. Richardson states he is prepared to guard against effectually.

Now, startling as these assertions appear at first sight, they only require the roughest analysis to prove that they show nothing whatever in favour of petroleum, but, on the contrary, lead to the supposition that, had not the results been even less favourable than was anticipated, there would not have been such evident care to avoid the publication of all useful data. We are told that the oil used on Saturday produced the same result as 5 tons of coal, but no statement is made as to the

the results been even less iavourable than was anticipated, there would not have been such evident care to avoid the publication of all useful data. We are told that the oil used on Saturday produced the same result as 5 tons of coal, but no statement is made as to the quantity of oil that was used, which, for aught we know, may have been 5 tons also, the economic result in such a case being that 4t. worth of work can, with Mr. Richardson's improved apparatus, be accomplished with something less than 100t. worth of petroleum. A 2-ft. surface of porous material would allow the passage of an enormous quantity of petroleum in two hours—the time the furnace seems to have been in use—yet in this time Mr. Richardson only succeeded in getting a pressure of two-thirds of an atmosphere, and he does not tell us whether he got up steam from 60° Fahr, or 212°, which renders the statement of still less value. It may be true that no stokers would be required with the improved apparatus in use, but it would, probably, be difficult to prove that a larger number of hands would not be required to attend to the petroleum tanks and other apparatus connected therewith than are now engaged in stoking.

The fallacy of the proposition to use petroleum as steam fuel cannot, perhaps, be more briefly shown than by the statement of Dr. Paul, the analytical chemist, whose long connection with petroleum, and the manufacture of oils therefrom, entitles his opinion to some slight respect at least. He remarks that the experiments being made at Woolwich Dockyard in relation to the use of petroleum as steam fuel for ships, show that the remarks are administed as the the prediction of substitution peters.

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space t this ble to facture of oils therefrom, entities his opinion to some slight respect at least. He romarks that the experiments being made at Woolwich Dockyard in relation to the use of petroleum as steam fuel for ships, show that the erroneous opinions formed as to the practicability of substituting petroleum for coal as fuel in steam-ressels have not been abandoned. A very slender consideration of the character, composition, and cost of petroleum would be sufficient to show the impracticability of using it as fuel in such a case. The heating power of petroleum is certainly higher than that of coal = 1·5 ·: 1·0. But the price of petroleum varies from 15L to 20L per ton. Its bulk in relation to coal is as 1 : 1·16, for quantities of equal heating power. Now these facts will be sufficient to convince anyone of the impracticability of using petroleum as a substitute for coal in steam-vessels, quite independently of any contrivance as to the mode of burning. The fact is, that supposing a practical method of burning petroleum as a steam fuel were discovered, a ship could carry rather more than the equivalent of the coal at present carried in the shape of petroleum; but, as a set-off to this apparent advantage, there would be the cost of the vessels necessary to contain the inflammable fluid, a very small leakage in such vessels being fatal to the safety of the ship, and the loss resulting from the evaporation and general deterioration of the petroleum, which latter is at least ten times as great as with the most fragile steam coal brought into the market.

Even when Mr. Richardson takes the arroneous assumption that retro-

Even when Mr. Richardson takes the erroneous assumption that petro-

leum has 15 times (instead of 1½ times) the heating power of coal, he fails to show any real advantage in using it. He states, which we do not by any means admit, "that in practice coal used as steam fuel loses one-half its heating power from the impossibility of supplying it with sufficient air in the furnace, especially by the quick mode of firing now in use; full one-halt the fuel disappears in the form of dense smoke, and is lost. Now, with petroleum, by the simple method of burning I use, it is extremely difficult to lose any portion of it, the whole is utilised, and so becomes really five times more powerful than coal, weight for weight—I ton of petroleum making as much steam as 5 tons of coal. As for expense, taking the value of ship freight at 7½ per ton, the petroleum at 17½, and the coal at 15±, per ton, a return of 14½. Iss. is made in favour of petroleum." Now, in the first place, it is absolutely untrue that one-half of the heating power of coal is lost in smoke; next, the statement (assuming fair ordinary treatment of the coal) that I ton of petroleum will do the work of 5 tons of coal requires confirmation; and, lastly, the consideration of the saving of ship freight is fallacious, because the loss and expense of carrying I ton of petroleum would be considerably greater than that of carrying 5 tons of coal, whist no increased cargo would be obtained, from the fact that to send valuable goods in a ship having petroleum (however stored) as part of its cargo would be as absurd as burning naked candles in a powder magazine. powder magazine.

FOREIGN MINING AND METALLURGY.

The principal cause of this is the diminished activity of manufactories of chemical products in England, the principal cuttet for their products, the United States, having bean seriously affected by the prolonged civil war still raging unhappily in the great republic. At the same times, the best pyrites are still saleable at remunerative prices, and find buyers abroad, even in competition with the pyrites of Spain, Weatphalia, France, and Sweden. As regards ordinary pyrites, which can only be utilized in Beigium in special furnaces, such as few industrials possess, producers find themselves under the necessity of forwarding them to Prussia, France, and even England. With respect to this description of minerals, which are relatively of very low value, it would be only equitable that important reductions in transit tariffs should compensate for the prejudice which results to producers from the police regulations now in force in Beigian manufactories of chemical products. The Chamber observes that there is no important improvement to natice in the prices of sinc and lead; at the same time prices of indigenous minerals sustain themselves very favourably for producers, the extraction not sufficing to meet the wants of the metallurgical works of the district. Important reductions of transport rates would alone permit foreign extractors to supply the local works so long as quotations remain at their present rate. A Customs anomaly exists which appears to call for some rectification or modification. At present, sinc and lead obtained from German sources of supply are admitted free into Beigiam, while a duty is charged when those metals enter Prussia; lead, for example, being subject to a duty of 18s, per ton, or nearly 4 per cest. This arrangement is said to enable Prussia to take Beigian minerals, and them to compete with Heigiam in Beigian markets—a result which has actually occurred of late in deliveries of lead to the State.

REPORT FROM NORTHUMBERLAND AND DURHAM.

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FORGING MINION AND MICHAELEMBAY.

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And time has only a very protected sharp often reaching fits a property of the country of t REPORT FROM NORTHUMBERLAND AND DURHAM.

DEC 15.—The Coal and Iron Trades here continue very brisk: indeed, the ironworks and engine-works, and manufactories generally, were certainly never better off for orders at the close of the year than at present. The iron trade certainly, that is the pig-iron and rail and bar trade generally, shows some signs of weakness, and prices are drooping a little; in the face of enormous extensions, this is only a natural consequence, and prices are still sufficiently remunerative to cause speculation. On the Tees new works, some of them of considerable magnitude, are rapidly springing up, and, as was noticed lately, a great increase in the make of finished iron, bars, &c., may be looked for during the next year. On the Tyne improvements of the greatest importance are in progress, which will eventually make Newcastle and Gateshead and subarbs more than ever the metropolis of the North: at the mouth of the river, although the piers and approaches are in an unfinished and very incomplete state, yet the depth of water, and other advantages, are so great as to constitute the Tyne already a harbour of refuge. During the last four days the weather has been most stormy and threatening in the North Sea, and numbers of vessels, both large and small, have run to the Tyne for shelter, and have passed in with safety. At various points in the river, too, but particularly at Bill Point, where a most awkward bend occurs, the channel is being made deeper, and also curves reduced or taken off. Lastly, the old bridge at Newcastle is about to be removed, and a new one substituted, which will admit of the passage of ships up the stream. When this important improvement is effected a complete change will the splace in the position of the various occlieries, fromworks, &c., west of Newcastle. At present the expense of transit to and from these numerous works of the produce, imported and exported, are heavy. Numbers of lighters are employed in this traffic, and many of the works have to bear heavy railwa

so that a ton often really means 25 and 30 cwts.; it is said in some cases more. If this is so, the mortality in South Staffordshire, in proportion to the onal raised, would be considerably reduced.

Two fatal accidents from falls in mines, which have occurred this week, are clearly the result of the men's carelessness. In one case the deceased, Joseph Maithews, with others, was getting coal as a bandsman in the Old Park Collery of the Earl of Dodley, on Monday last, and as they were falling by stens, and were anxious to get as much as they could, they went into a gateway into which they had been ordered not to go, and where some loose coal lay; a fall too place from a sitp, and Maithews was killed.—In another case James Humphrey, an ironstens miner, was getting frenchene in the Gospel Oak Colliery, at a certain rate per ton, when fall of root took place, and he was killed.—It was shown at the inquest that the custom was to place prope at every half-yard or 2 feet, but he had put them at intervals of a yard and a half, and thus lost his life in too great anxiety to realize large wages.—A boiler burst on Wednesday (yesterday) with great force at the finit-milis of Mr. H. B. Perry, at Riyke-upon-Trent, in this county. The place was rendered a scene of ruth, but, most fortunately, only four men were slightly hurt, and no one was seriously injured. It is said that the boiler was well supplied with water, and that the from with which it was made was very good. At present the cause of the boiler bursting is simply a matter of vague and contradictory conjecture.

REPORT FROM DERBYSHIRE, YORKSHIRE, AND LANCASHIRE.

DEC. 15.—There is very little doing in the Iron Trade, but a cheerful feeling of confidence pervades manufacturers and merchants that there will be a brisk trade doing after Christmas. Stocks are unusually low, but there are sufficient orders on hand for immediate requirements to keep the be a brisk trade doing after Christmas. Stocks are unusually low, but there are sufficient orders on hand for immediate requirements to keep the works in these counties going on full time. There is scarcely anything doing in speculative orders, and continental advices are not very encouraging; but the slightest impulse from any quarter would be immediately felt in the trade. There is to be a special meeting of the iron trade at Birmingham, on Thursday, preparatory to the preliminary one for the 29th, but the opinion of ironmasters in these counties is that there will be no alteration in prices. The rates for pig-iron are rather lower, and it is said that the Cleveland makers, with the view to force sales, have accepted easier terms. Mr. J. Stanley, of the Midland Ironworks, Sheffield, has stopped payment, with liabilities said to amount to between 35,000% and 40,000%. This firm has latterly become noted for the manufacture of large castings. An attempt was made recently to form a limited liability company to work the concern, but the scheme failed. There has been a moderate improvement in the Statel Trade, and latterly the French Government have bought rather heavily. The home trade in manufactured cuttery is dull, out America and the Colonies are buying more largely than heretofore. Some large castings have lately been made at Rotherham, and the houses generally there are well employed, especially in the brass trade. The Coal Trade is reported to be in a very satisfactory condition in Derbyshire and Yorkshire, with one exception. In Barnsley the Union men are waiting upon the masters, with a view so induce them to compel all miners in their employ to join the Union. Of course the request, most unreasonable as it is, has been refused, one master declaring that before he would submit to such a proceeding, or be a party to it, he would suffer to have his arm severed from his body. The Wigan colliers, too, are demanding an increase in wages, or a restriction of the hours of labour, the latter course being, in thei

their opinion, the successful mode to raise wages. The masters are determined to resist, and if they are compelled to submit they intend to draw supplies of coal from the adjacent counties. With the exception of these disruptions, the trade is exceedingly healthy, and there has been a better demand for coal from the London and Southern markets than for many years past.

An accident occurred at Lord's Colliery, Ashton, by which one man was killed and another dangerously injured. It seems that William Stockport was getting coal, or "holing," whilst James Kenyon was "wagoning," when the coal suddenly gave way, crushing Stockport to death. Kenyon says he was just about to prop the coal when it gave way. The men were well provided with props by the company, and ought to have used them; but, not witstanding a knowing of the risk they were running, they continued to "wedge off," until the superstructure gave way.

The Tapton Coal, Coke, and Ironstone Company (to which reference was made in last weak's Journal), formed for the working of the mines near Chesterfield, which were originally started by the late George Stephenson, the celebrated engineer, it is reported have all their shares subscribed for, and that as soon as the preliminaries are completed the new company will commence werk.

The Eyam Mining Company ordinary half-yearly meeting was held on Wednesday, at the Black Rock Hotel, Sheffield, when Mr. T. J. Parther (the Chairman) gave a brief history of the company, and read the report of Mr. George Maitby, capitaln of the mines, which was of a satisfactory character, and was adopted by the meeting. The ore raised during the past half-year at the Glebs shaft was 165 tons 12 ords., and at Dusty Pit 6 tons 4 cwts. This, with the dues of ore which had been paid to the bar master, and 14 tons on the hillock, made the grand total upwards of 200 tons. A call had recently been made on the shareholders, but since then some good work had been found, and it was anticipated that no further calls would be necessary. Some sp

REPORT FROM MONMOUTH AND SOUTH WALES.

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Dr. 15.—The present state of the Iron Trade is, it must be admitted, a matter of considerable anxiety to both makers and buyers. To buyers it is a matter of anxiety, especially if they have bought largely, and the iron-masters, on the other hand, hardly know what to do in reference to the wages paid to the men, which are already too high in proportion to the price of iron. As to whether present quotations will be maintained, or a reduction submitted to, there is considerable divergence of opinion; but, if prices will go down, it is generally agreed that there will then be no alternative but to reduce wages. A meeting of the trade has been called for next Thursday, at Birmingham, for the special object of discussing the wages question, and the decision arrived at there will, no doubt, be adopted in this and other iron-producing districts. At present the works of Monmouthshire and Sonth Wales are fairly employed, and there are no complaints as yet that employment is scarce. Several of the makers have sufficient orders on the books to keep the works going over Christmas, while some to or three—they too are leading houses—are less favourably situated. Buyers, more particularly on export account, show, as might be naturally expected at this period of the quarter, extreme reluctance in entering into engagements; but, once makers decide as to the prices for next quarter, then orders that are now withheld will, without a doubt, be given out immediately. This, perhaps, explains, to a certain extent, the paucity of demand experienced by the two or three firms referred to. Home recorded from New York. Tin-plates remain without change, and much business is not expected to be transacted before the quarterly meetings are over. Although the winter has fairly set in, there is no lack of activity in the Steam Coal Trade. The export demand is brisk, and the steam shipping companies are taking large supplies. The contracts for supplying Staffordshire works are now terminating one by one, and

thing bell employed at the top for taking away the gases to heat the stoves.

The make of iron from the furnace has been so satisfactory that the company who have taken the works have decided on erecting another on the same principle, but on a considerably larger scale.

APPEALS AGAINST COLLIEBY RATING.—It will be remembered, that at the last Glamorganshire Quarter Sessions several appeals were heard against the rating of collieres at Aberdare and Gellygaer. The Clerk has now presented a report to the Merthy Board of Gardians, showing that the result of the appeals has been not altogether unsatisfactory to the colliery proprietors. The Court, at the October Sessions, appointed a special day for hearing the appeals, and upon that of Mr. Cartwright being heard, the rate upon his Tophill Colliery was reduced from 18.84. to 18.40, per ton. On the next day the appeal of Mr. Samuel Thomas was heard, when the rate upon his Squborwen Colliery was reduced from 18.84. to 18.40, per ton. The Court them adjourned to December 8. In the meantime several of the appliants came before the Assessment Committee, and upon the information given by the appellants themselves, and by Messra. Bedlington and Hayburst, whom the committee had engaged to examine and report upon the collieries, the committee reduced the valuation of many of the appellants. In the Aberdare district the rate for the Blasengawr Colliery was reduced from 10½d. to 19½d. in 11.; and the Lietty Shenkin from 18. to 11d. In the Gellygaer district, Liancaiach was reduced from 18. to 11d. In the Gellygaer district, Liancaiach was reduced from 18. to 11d. in the Gellygaer district, Liancaiach was reduced from 18. to 11d. in the Gellygaer district, Liancaiach was reduced from 18. to 11d. in the Gellygaer district, Liancaiach was reduced from 18. to 11d. in the Gellygaer district, Liancaiach was reduced from 18. to 11d. in the Gellygaer district, Liancaiach was reduced from 18. to 10. Liancaiach was reduced from 18. to 11d. in the Gellygaer district the constant of the section of the constant o APPEALS AGAINST COLLIERY RATING .- It will be reme

upwards of 345,000% annual rateable value, has been re-valued by your assessment committee, and that out of the whole only two appeals have been heard in a court of justice, I wenture respectfully to submit that the labours of your committee have been most accessful."

NOTES FROM LECTURES BY DR. PERCY, AT THE ROYAL SCHOOL OF MINES-FUELS.

SCHOOL OF MINES—FUELS.

We have already seen that bituminous coals are of two kinds—caking and non-caking. Now, as to the property of caking (that is, of swelling up and forming a compact mass when heated possessed by certain coals), there are some curious and most important points. And, first, as to the cause of this property, we find there is great doubt. Some maintain that it is due to the varying proportion of hydrogen in the coal, but the idea is not borne out by analysis; for, on examining the exact composition of nine varieties of coal taken indiscriminately, the fallacy of this notion is directly proved. That the amount of oxygen present induces the property of caking is also equally fallacions; for there are numerous varieties of coal having the same ultimate composition, some of which cake, whilst others cannot be made to do so. Certain varieties of coal, when freshly hewn from the pit, cake perfectly, but when exposed to the air for some time lose the property entirely. This fact would seem to bear out the impression of some of the French chemists, who hold that the caking is due to the presence of certain votatile matter in coal. One point in this subject demands particular attention, and that is, when we heat a non-caking coal, rich in oxygen, in an open vessel, it will not form coke of the most imperfect kind; but if we heat the same coal in a close vessel rapidly a perfect coherent coke is produced, a result which proves that the mode of heating affects the property of caking. Unfortunately, no method has been as yet devised for making coke economically in close vessels, but if such could be introduced an immense boon would be conferred on the owners of coal mines.

Intermediate between the great class of bituminous coals and anthracite of coal mines.

of coal mines.

Intermediate between the great class of bituminous coals and anthracite lies Kennel coal, a variety so rare as to be commercially of no importance. Of anthracites, which represent the ultimate product of the conversion of woody tissue into coal, there are numerous kinds. They are distinguished from other kinds of coal by their burning with a smokeless flame, and by their not softening or cintering together when ignited. Wood and caking coals, as they exist in nature, are inapplicable for metallurgical purposes; but each, when submitted to certain processes, yield bodies more valuable for many of the requirements of the metallurgist than those from which they are derived; of such secondery products the principal are charcoal and coke.

coals, as they exist in nature, are inapplicable for metallurgical purposes; but each, when submitted to certain processes, yield bodies more valuable for many of the requirements of the metallurgist than those from which they are derived; of such secondery products the principal are charcoal and coke. Now, when a piece of wood is heated without air it becomes condensed, and resolves itself into several products, and there is left behind a solid mass termed charcoal. The wood is here said to be carbonised, and the temperature at which the carbonisation takes place is about 300° centification could be a season of the temperature at which the carbonisation takes place is about 300° centification coxide, hydrogen, carbonic exide, carbonic oxide, hydrogen, carbonic exide, carbonic oxide, hydrogen, carbonic exide, carbonic oxide, hydrogen, car

that nearest the surface of the retort being hotter than that in the centre; and the products of the destructive distillation to which it has been exposed will vary with the temperature, and it will be found that at a low temperature matters rich in carbon will be evolved, which at a higher temperature will be destroyed; so that as the object should be to concentrate in the coke the largest possible amount of carbon, it is important to avoid too low a temperature in making coke. Coking is effected practically in heaps, or in ovens, the former being principally the system adopted in South Staffordshire and Wales. The ground chosen for the operation is flat, and sometimes paved with brick. In the centre of the spot is built a chimney of loose bricks, some 5 or 6 feet high, and around this chimney the coal is piled, inclining the lumps towards the centre. The pile being made, it is flattened over with coke dust, duly tempered with water. The mode of igniting the pile is to put the ignited matter outside the chimney, but never in it, and to regulate the air a damper is put on the chimney.

Now, in the first part of the process the covering of coke dust is omitted around the bottom of the pile, to allow of the entrance of the air, but the covering in after a short time extended to the bottom. When first lighted, a thick smoke will be evolved, replaced, as the process proceeds, by the characteristic blue flame of carbonic oxide. The ebullition of flame is prevented as far as possible, and after five or six days, when the pile has become carbonised throughout, it is thoroughly watered, and the cokedrawn. Numerous ideas have been originated to utilise the waste heat in the making of coke, and one of the most important of these is known as Cox's oven, where the coke is made in a chamber with a double arch, by means of which the waste heat, before escaping, is used to assist in raising the temperature. A great

heat, before escaping, is used to assist in raising the temperature. A great

number of ovens have been devised for making coke, and it would take an immense time to enumerate them all; and let it suffice that we describe the general principles of coking, and say that, practically, it is effected in circular piles, or long ridges, or in kilns like ordinary brick-kilns, or in common chambers, circular or quadrangular, with a chimney at the top or back; or in ovens in which there are flues for utilising the combustible products, or in those in which the flues are at the sides and bottom. Before dismissing the subject of the utilisation of the gaseous products evolved in the manufacture of coke, it is well to point out that, as the great proportion of the heat evolved is sensible heat, therefore, the distance between the escape of the gas and its utilisation should be as short as possible.

In concluding our consideration of the great subject of fnel, we must say a few words on that most important gas, carbonic oxide, now so valuable in the manufacture of iron. For a long time past this gas has been applied as a fuel on the Continent, and especially in Sweden; and now at last its value is becoming generally appreciated in this country, and most of our iron smelters are utilising it, as evolved from the iron smelting chimneys, whence it is brought back, and burnt in a chamber around the stack, thereby raising the intensity of the heat in the furnace enormously. Every new invention for economising our natural fuels, or for utilising the products

whence it is brought back, and burnt in a chamber around the stack, thereby raising the intensity of the heat in the furnace enormously. Every new invention for economising our natural fuels, or for utilising the products derived from the combustion of those fuels, is worthy of serious attention, since each atom of natural fuel represents the concentrated sun rays of ages, which, when once broken from the natural bonds by which they are held, can never again be re-united, and utilised as a source of heat by man.

ON MINERAL LODES.

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ON MINERAL LODES.

Mr. Robert Hunt, F.R.S., in a lecture at the Royal Geological Society of Cornwall, said—No class of men can give so much aid in the solution of the problem which we desire to solve—that is, the discovery of the law or laws which regulate the formation of metalliferous lodes—as miner; and in the hope that some of them, when they know what points demand examination, and require to be accurately recorded, will give the world the benefit of their position and experience, I venture to trouble the society with these notes. Two points, and as far as I am wave two only, appear allowed that expendity noticed to be regarded as settled. These constants, if I may be what the sail to go the superity of the control of the set of the sail of the sa

GEOLOGICAL SOCIETY OF LONDON.—Dec. 7: Mr. W. J. Hamilton (President) in the chair. W. G. Atherstone M.R.C.S., Graham's Town, Cape of Good Hope; J. Brogden, Tondu Ironworks, Glamorganshire; Lieut. A. B. Brown, R.A., Gibraitar; F. H. Dickinson, Kingweston, Somerset; G. Dowker, Stourmouth House, near Wingham, Kent; G. B. Forster, Backworth Hall, near Newcastle-on-Tyne; C. Graham, B. Sc. Lond., University College, London; T. B. Lloyd, Spring Hill, Birmingham; W. C. Maclean, Great Yarmouth; W. Molyneux, Branston Cottage, Burton-on-Trent; Wm. Prosser, M. R.C.P., Wilmslow, near Manchester; J. E. Randail, Rudioe Lodge, Corsham, Wiltis; J. W. H. Bichardson, East Parade, Leeds; R. N. Rubidge, M.B., Lond., M.R.C.B., of Port Elizabeth, Cape of Good Hope, Gower-street, Bedford-aquare, W. C.; the Rev. E. N. Russell, M.A., Beachampton Bectory, Stoney Stratford; W. W. Stoddart, Northstreet, Bristo; the Rev. R. B. Watson, B.A., F.R.S., Brunsfeld-place, Edinburgh; and J. H. Wills, Houndiscombe-place, Plymouth, were elected Fellows.

The following communications were read:—

1. "On the Geology of Otago, New Zesland," by James Hector, M.D., F.G.S.; in a letter to Sir R. I. Murchison, K.C.B., F.R.S., F.G.S. The south-western part of the province of Otago is composed of crystalline rocks forming lofty and rugged mountains, and intersected by deeply cut valleys, which are occupied by the arms of the see on the west, and by the great lakes on the east. These crystalline rocks comprise an ancient contorted gneiss, and a newer (probably not very old) series of hornblende slate, gness, quartizite, &c. Eastwards they are succeeded by well-bedded sandstones, shales, and porphyritic conglomerates, with greenstone slates, &c., in patches, all probably of lower Mesozoic age. Then follow the great auriferous schibtose formations, which comprise an upper, a middle, and a lower portion; and upon these occur a series of tertiary deposits, the lowest of which may, however, possibly be of upper Mesozoic date, while the upper, consisting of a freshw

e close of that period, proves that the elevation of the island, at least in the mountain gion, must once have been enormously greater than it now is.

2. "Note on communicating the Notes and Map of Dr. Julius Haast, upon the Giaclers of Rock-basins of New Zealand," by Bir R. I. Murchison, K.C.B., F.R.S., F.G.S.

3. "Notes on the Causes which have led to the Excavation of deep Lake Basins in ard Rocks in the Southern Alps of New Zealand," by Julius Haast, Ph.D., F.G.S.: mmunicated by Sir R. Murchison, K.C.B., F.R.S., F.G.S.: www.propers.communicated by Sir R. Murchison, K.C.B., F.R.S., F.G.S.: www.Zealand.showing the

communicated by Sir R. Murchison, K.C.B., P.R.S., F.G.S.;
4, "Note on a Sketch Map of the Province of Canterbury, New Zealand, showing the slacistic during the Pielstocene and Recent Times, as fars a explored," by Julius Haast, P.D., F.G.S.; communicated by Sir R. I. Murchison, K.C.B., P.R.S., F.G.S.
The following donations to the scolety's Museum were exhibited:—Fossils from the Zarboniferous Limestone, Lias, Inferior Oolite, and Chaik of England, and from the Necomian Strata of Nice: presented by Alan Lambert, F.G.S.
On Wednesday, the following papers will be read:—1. "On the Coal Measures of New South Wales, with Spirifers, Glossopteris, and Lepidodendron," communicated by the hasistant-secretary.—2. "On the Drift of the East of England, and its Divisions," by searles V. Wood, Jun., F.G.S.

AURTRALIAN DIAMONDS.—Diamonds have from time to time been found the Overs district, Victoria. Two were recently found by a man named M'Gill, in na's claim, on the Woolshed. One of these is said to be worth about 81, in its present its. These make seven diamonds found in the same claim. There has never yet been y systematic search in this district for specious stones.

A Locomotive from Spain has passed through the Pyrenées into France, along the new series of tunnels, about 40 miles in length. This was merely a trial trip, and it was perfectly successful.

EXCHEQUER BANK NOTES-No. III.

TO THE EDITOR OF THE MINING JOURNAL.

Sir.—The practice of attempting to restore the finances of the country by raising the rate of interest, is snort-sighted and ridiculous. The Bank raises the rate of interest with the object of drawing gold from other coun-tries and filling its own coffers. This is robbing Peter to pay Paul. The immediate result is, that other countries are obliged, in self-defence, to raise their rate of interest to the same rate as the Bank of England, so that they may revent the gold going out of the country. A strife for gold beraise their rate of interest to the same rate as the Bank of England, so that they may prevent the gold going out of the country. A strife for gold betwern the different countries ensues, and a crisis which begins at London spreads to every country in Europe. The relief which the Bank gains in this way is thus only temporary, and it is a relief that is gained at the expense of a crisis, which throws back the trade of the world for years, and involves much distress, not only in England, but throughout the world. When will our legislators be wise, and give up their foolish reliance on a metal, which is as certain to prove false and treacherous, as that the sun will rise to-morrow? The Times says—"Our system of currency will remain imperfect, until some mode shall be discovered of enabling it to apportion the sapply and demand for currency, without reference to the influx or efflux of specie." This important announcement shows great discernment on the part of the writer, for it goes to the very root of the evil, and points out where the remedy is to come from. The discovery here alluded to I claim to have made, for I think I am right in saying that I have been the first to propose a plan for making our currency to a great extent, if not first to propose a plan for making our currency to a great extent, if not entirely, independent of the supply of gold. To carry out this great principle we must come to an issue of paper money that is inconvertible into gold, for unless we do that we cannot arrive at that state of perfection which the Times desires.

entirely, independent of the supply of gold. To carry out this great principle we must come to an issue of paper money that is inconvertible into gold, for unless we do that we cannot arrive at that state of perfection which the Times desires.

When the question of reforming the currency was advocated, in 1857, a reduction in the standard was demanded, whereas, by my proposal, no alteration of the standard is involved. The existing standard is j. ox. of gold, or thereby, to 14, sterling, and that standard I propose to recognise in the issue of Exchequer bank notes. When a prejudice existing in the public mind against an inconvertible currency is spoken of, we must recollect that that prejudice is mixed up with the idea of reducing the standard, but as I propose no such change of standard, I hope your readers will not do me the injustice to suppose that I give ear to any such crotchets.

A money crisis must arise from one or other of two causes, or a combination of both—1, from a want of capital; or, 2, from a want of a good and sufficient circulating medium. While the first cause (the want of capital) is natural, and admits of no remedy, the second cause (a want of good currency) is distinctly removable. It is one of the primary duties of the Government to provide the nation with a safe and convenient currency; and as the currency of this country has been found both unsafe and insufficient, the Government is bound, in justice to the people, to make such reforms as may be necessary to the perfection of the system.

The question now arises, has the present crisis come from the want of capital, or from the want of a good and sufficient surface. The provided is a surface want of a good currency. Capital is of two kinds, "fixed" and "fixed" consists of the savings of the nation. For the sake of argument, let this floating capital be set down at 50 millions per annum, or about ten per cent, on the national income. If more than that sum be annually laid out on railways and other fixed property, capital will be scence,

complicate every transaction, and make the notes less available for every-day business.

Having now stated the nature and object of the proposed Government notes, the question arises will they ever become depreciated? I reply, that they will not. It will not be legal for the Exchequer to issue notes unless the full price has been paid for them; and nobody would purchase notes of them at the full price if they could buy them in the market at a discount. It follows, therefore, that the new notes can never fall to a discount, or be depreciated in value. Exchequer notes, as now defined, cannot be called fictitious money, for the full sum they represent will have been paid for them in gold and Bank of England notes. They will pass from hand to hand, and be the means of transferring the money they represent from one person to another. The Bank of England will at once purchase large quantities of these notes to hold against their own issue of notes. Large sums will likewise be taken by the private banks in England, Scotland, and Ireland to hold against their issue. These sources alone may be expected to absorb the quarter part of the proposed issue of 20,000,000L.

Since the above was written, I have seen two letters in the Mining Journal which disapprove of my scheme, without attempting any refuta-

Since the above was written, I have seen two letters in the Atvang Journal which disapprove of my scheme, without attempting any refutation of it; and as condemnation without refutation amounts to nothing, I might have passed them over in silence. For the sake, however, of meeting every possible objection, I will now refer to them very briefly. The first letter alludes to the assignats of the first Napoleon, and the last to the greenbacks of Abraham Lincoln, and both writers assume that my Exchequer Bank notes will be the introduction of a similar system into this quer bank notes will be the introduction of a similar system into the country. I deny that there is any similarity between the two systems, for my issue of notes is limited to 20,000,000L, while theirs is without limit; and while Napoleon and Lincoln sell their issue at a depreciated value, the proposed notes for this country cannot be issued except at the full value. The best system in the world may be ruined by overdoing it—for instance, credit is good in moderation, but certain ruin if it be overdone. Not only deal limit the amount of issue, but I wake it a condition that the notes proposed notes for this country cannot be issued except at the full value. The best system in the world may be rained by overdoing it—for instance, credit is good in moderation, but certain rain if it be overdone. Not only do I limit the amount of issue, but I make it a condition that the notes shall not be of a less value than 1000., so as to interfere with the general currency of the country as little as possible. My proposal is based on the assumption that there is a real want of inconvertible notes. If, however, it be found on trial that no such want exists, no Exchequer notes will ever make their appearance; but if such a want really exists, they will be taken by the public with eagerness. The objections, therefore, which have been raised by your correspondents, which are based on the assumption that the proposed Exchequer notes will be depreciated in value, fall to the ground; for that can never happen if my plan be carried out in all its integrity. It will only be by the abuse of the plan, and not by its use, that any evil results can follow; and it is not fair to estimate the value of any reform on the assumption that it will be abused. We have only to surround the plan with the necessary checks by Acts of Parliament, and I am happy to say that in the present instance these checks can easily be made sufficiently stringent to meet any possible contingency.

I shall conclude by stating the leading benefits which the introduction the recurrence of a monetary panic, arising from the want of gold, or the fear of that want.—2. We shall have full confidence in the soundness and stability of our system of banking and currency. At present, even in the most prosperous times, there is a constant looking forward to a crash, while

during the crash all confidence in the system disappears, and a state of chaos ensues.—3. We shall be protected from any risk of runs on the banks for gold, as they will be enabled to pay their liabilities in Exchequer notes, and as they will be bound to hold such notes to the extent of two-thirds of their issue.—4. The monopoly of issuing notes by the Bank of England being withdrawn, the trade and credit of the nation will no longer be at the mercy of any one banking establishment.

The loss occasioned by money crises may be estimated at 100,000,000l. sterling every 10 years at the very least. Such being the fearful loss occasioned by the present imperfect system of currency and banking, the benefit of the proposed new system to all classes of the community may be estimated. And seeing that the adoption of Exchequer Bank notes will for ever prevent the recurrence of these fearful scourges on the industry and wealth of the nation, I trust I need offer no apology for thus bringing the proposal fully and fairly before the public.

A. Alison. the proposal fully and fairly before the public. 72, Sloane-street, Dec. 12.

SILVER MINING IN NORWAY.

and weath of the bringing the proposal fully and fairly before the public.

72, Sloutne-street, Dec. 12.

SILVER MINING IN NORWAY.

For the last few years considerable attention has been directed to silver mixing in Norway, owing to the existence of an English company for developing the East Kongaberg Silver Mines, which are, without doubt, amongst the richest for native silver in the world, requiring only capital and skill to make them remunerative to the shareholders. The Government, as most of the readers of the Mining Journal are already aware, has granted to the company the exclusive right to explore the silver mines under about 50,000 acres, the property being held by the company in perpetuity, at a yearly rental of 904. Although on the old maps of Kongaberg the silver district is represented to contain only 34 silver mines, it is not silver district is represented to contain only 34 silver mines, it is the silver district is represented to contain only 34 silver mines, it is the silver district is represented to contain only 34 silver mines, it is the silver district is represented to contain only 34 silver mines, it is the silver district is represented to contain only 34 silver mines, it is the silver district in the silver district in the silver district is represented to contain only 34 silver mines, it is the contain of the silver district in the silver of the silver of the silver district in the silver of the silver district in the silver of the silver district in the silver of the silver of the silver district in the silver of the

COPPER MINING-DEVON GREAT CONSOLS-No. IV.

Copper ore is divided into three qualities; the best being termed "prill ore," the second "dredge ore," and the third "halvans." After the two first have been separated from the third by the processes above described, they have only to be stamped or crushed to render them fit for market.

f keeps the contents of the cistern in constant agitation. The result of the continuous movement is to drive the finer particles of the ore staff—which are almost in a state of dust—to the top, whence they run of into the channel by an outile so constructed as only to permit the passage of the surfaces water. The separation of the remaining seven of the property of the content o

[To be concluded in next week's Journal.]

THE SLATE TRADE—ITS STATE AND PROSPECTS.—The highly satis factory position of the SLATE TRADE—the demand being so much greater than the supply—renders all information respecting it of general interest Some three years since a descriptive pamphlet was issued by Mr. T. C. Smith, of which two editions of 5000 each were speedily disposed of; this has now been re-printed, with much original matter from practical authorities in the several districts, and particulars of most of the quarries at work, explanatory of their state and prospects. The new work is published at 1s. each, and can be had at our office.

SALE OF A MINE BY AUCTION.-Mr. T. P. Thomas submitted for sale, by public auction, at Garraway's, on Thursday, the West Par Consols Mine, with angine, machinery, materials, &c., in one lot. The auctioneer stated that if the pres lease were forfeited, there was no chance of a renewal. The property was bought in

TOKERS.—WANTED, TWO GOOD STOKERS for STEAM BOILERS.—Apply at the London Hydro-Carbon Oil Company, 11, Laurence Pounter-lane, London, E.C.

WIRE ROPES FOR SALE, BY PRIVATE CONTRACT. V ONE WIRE ROPE, 196 fms. long; ElGHT ditto, each 188 fms. long; and TWO ditto, each 116 fms. long; all 4½ in. circumference, weighing 22 lbs. per fm., and made of the best charcoal iron wire, by Messrs. Glass, Elliott, and Co.—Applications to be addressed Messrs. Commans, Ghove, and Co., Clifton Suspension Bridge Works, Bristol, where every information can be obtained.

TO INVENTORS AND PATENTEES.—A GENTLEMAN having an extensive connection with manufactures. having an extensive connection with manufacturers, merchants, and others, would be GLAD to UNDERTAKE the SALE of INVESTIONS or PATENTED ARTICLES, on commission.—Apply to Mr. Rawls, patent office, 14, Clare-street, Bristol.

N.B.—Continental and foreign agencies solicited.

Will be published in the first week of Jan

RAILWAY REFORM: ITS IMPORTANCE AND FRACTICABILITY CONSIDERED AS AFFECTING THE NATION, THE SHAREHOLDERS, AND THE GOVERNMENT, WITH A COPIOUS AFFENDIX, ontaining:—
1.—A Popular History of the Rise, Progress, and Contemplated Completion of our

allway System.

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IV.—Mr. Gladstone's Speech on Introducing the Bill in the House of Commons, 8th not 1844.

IV.—Mr. Gladstone's Speech on Introducing the Bill in the House of Commons, 8th July, 1844.

V.—The Position and Prospects of the Thirteen Great Companies.

VI.—The Position and Prospects of the Seventy Lesser Companies.

"The roads of a country, from the very nature of things, are public concerns: they are as necessary to a people as the air they breathe."—Second Report of the Select Committee of the House of Commons, 1846.

of the House of Commons, 1846.

"Should we live to see fully developed all the powers and energies of this system, so shall we also live to see the recognised as one of the greatest benefits that either art or philosophy has conferred on mankind."—Quarterly Review.

"If I entertained any feeling on the subject of the interference of the Government, it is one of regret that they did not in the first instance take a more active and prominent part, that they did not themselves lay out for consideration what appeared to them the best general scheme for accommodating the traffic throughout the metropolis, without having the slightest reference to this company or that."—Speech of the Earl of Derby in the House of Lords, 12th February, 1864.

London: Longman, Green, Longman, Roberts, and Green, Paternoeter-row.

AP OF PROPOSED RAILWAYS AND MISCELLANEOUS IMPROVEMENTS,
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CONVERSATIONS ON MINES, 4cc., BETWEEN "A FATHER AND SON,"

Thirteen plans on ventilation and working out coal, dialling, planning, and taking the
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Near 900 copies are ordered in Wigan alone.

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THE MECHANICS' MAGAZINE, AND JOURNAL OF THE APPLIED SCIENCES.—Established 40 years.

The Mechanics' Magazine has from its establishment had an extensive circulation, and it communicates, for 4d. per week, far more valuable information, both scientific and practical, than was ever before placed within the reach of even those who could afford to pay six times as much for it.—Lord Brougham.

Published weekly, price 4d., by post 5d. London: 166, Ficet-street, E.C.

THE NORWEGIAN TITANIC IRON COMPANY

THE NORWEGIAN TITANIC IRON COMPANY
(LIMITED).

The above company beg to CALL the ATTENTION of IRON MASTERS and STEEL ANUFACTURERS to the IMPORTANT RESULTS that are to be OBTAINED by Busic of THEIR OREs in ADMIXTURE with ORDINARY IRON OREs.

It has been proved by the experience of ironmasters, extending over a comeiderable me, that even a small proportion of the Norwegian ores has a most beneficial effect on be quality of the pig, and that it increases its strength considerably, the pig when pudied making from of a very superior quality, and of a sicely nature.

The above ores when mixed with the hematites make a pig specially adapted for the assessmer process.

seemer process.

the great utility of these ores for fettling has been fully established at several of the
ge ironworks in the North of England; they are far more durable than buil dog,
gettle exide of iron, red ore, catelend ironstone, or any other material that has hitherto
a introduced. Besides the peculiar property the Norwegian ores have of realsting
at heat and fluxing action, they materially improve the quality of puddled bar,
the directors having purchased extensive deposits of the ore in Norway, and conceted a railway to facilitate its regular supply, are now preparing to import it on a
gencale.

rected a railway to facilitate the regular supply.

The ore can be supplied with warying proportions of iron and titanium, some containing 64 per cent. of metallic iron, and 10 to 12 per cent. of metallic titanium, others containing less iron and more titanium.

The great feature in these ores is the entire freedom from the impurites found in ordiary iron ores—wix, supplur, phosphorus, &c., and from their containing the metals thanking and vanadium, which are found in Swedish and Russian irons of the best brands; they are peculiarly fitted for the manufacture of superior descriptions of iron and steel, and for improving the quality of inferior brands.

Applications to be made at the office of the company, 4, Park-place, Leeds.

THE VICTORIA SLATE COMPANY
(LIMITED).

Prospectuses and every information can be had from the hon. secretary, at the office of the company, Leinster Chambers, 43, Dame-street, Dublin.

Specimens of the states can be seen at the office, also at the Exhibition, Kildare-street. The quarries are situated near Carrick-on-Suir, and Waterford.

THE MARRINGTON "CANADA" MINING COMPANY (LIMITED),
Incorporated in Canada by an Act of the Canadian Legislature (27th Victoria, 8th
Parit.), and registered in the United Kingdom under the Companies Act, 1862,
whereby the liability of the shareholders is strictly limited, both in Canada
and here, to the amount of their shares.
Capital, £75,000, in 15,000 shares of £5 each.
Of the 15,000 shares about two-thirds are aiready disposed of; one-third only remain
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Descrit on application, 10s, per share; and on allotment, 25s, per share.

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No call to exceed 2s. 6d. per share, or to be made at less intervals than six mont Applicants not receiving any allotment will have their deposits retuined, without deduction or delay.

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Bight Hon, the LORD AYLMER, Melbourne, Canada East.

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This company was formed for the purpose of working the Marrington and Bairath Copper Mines in Lower Canada, of which full reports and particulars are set forth in the prospectus; copies of which, with forms of application for shares, may be had from any of the brokers, or at the office of the company, 47, Dame-street, Dublin.

SCHOOL SHIP,—THE THAMES MARINE OFFICERS'
TRAINING SHIP, "WORGESTER," moored off Erith, is managed by a committee of London shipowners, merchants, and captains.

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Respectable boys, from the age of twelve to fifteen, intended for the ses, are received on board, and thoroughly educated for a seafaring life.

Terms of admission, 35 guineas per annum.

Forms and prespectus can be obtained on application to
19, London-street, E.C.

W. M. BULLIVANT, Hon. See,

Gun Cotton Manufactory.

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Gun Cotton Manufactory.

MESSRS. THOMAS PRENTICE AND CO.,

GREAT EASTERN CHEMICAL WORKS, STOWMARKET, SUFFOLK.

This manufactory has been established for the purpose of preparing GUN COTTON, according to the Austrian process, and was opened on the 26th of January last, under the inspection of Baron Lenk. Messrs. Thomas Prentice and Co. are now able to SUPPLY GUN COTTON, in its most approved form, either for the purposes of engineering and mining, or for military and submarine explosion, and for the service of artillery, as a substitute for gunpowder.

The advantages of Baron Lenk's GUN COTTON are the following:—

Fon Purposes or Artillery.—The same initial velocity of the projectile can be obtained by a charge of gun cotton one-fourth of the weight of gunpowder. There is no smoke from the explosion of gun cotton one-fourth of the weight of gun, nor heat it to the injurious degree of gunpowder. There is much smaller recoil of the gun. The same initial velocity of projectile is produced, with a shorter length of barrel. In projectiles of the nature of explosive shells it breaks the shell more equally into much more numerous pieces than gunpowder. When used in shells, one-third the weight of gun cotton produces does double the explosive force of gunpowder, and so facilitate its removal. As gun cotton produces no smoke, the work can proceed much more rapidly, and with less injury to the health of the miners. In working coul mines the advantages of bringing down much larger quantities of material with a given charge, and the absence of smoke in the explosion, the miles of material with a given charge, and the absence of smoke in the explosion, by a proposion, enable a much greater quantity of work to be done in a given time at a given consistent of material with a given charge, and the absence of smoke in the explosion, and or submarine stones and rocks, without the preliminary delay and capa

or gun cotton.

Messrs. Thomas Phenytice and Co. are also prepared to manufacture the gun cotton, and deliver it in the form of gun cartridges, adapted to every description of ammunition; all they require for this purpose being a drawing of the gun, gunpowder cartridges, and ammunition, with the specification of weights, sizes, and initial velocities.

Artillerists who prefer to manufacture their own cartridges may make special arrangements with the parameter through Messes.

STATISTICS OF THE MINES OF CORNWALL AND I bug to inform the mining interest that my work, under the above title, for 1865, will a published early in the ensuing month, and will contain the following particulars, viz.: he geological position, present prospects, names of purser, manager, and secretary, with tatement of the annual returns of each mine during the last ten years, and of total distances of the annual returns of each mine during the last ten years, and of total distances.

The geological position, present prospects, and during the last ten years, and of total dividends paid to the present time.

The work will be illustrated by a Map of Corawall and Devoushire; Geological District Maps, divided into eight sections, in which will be shown the boundary lines of each parish, height of hills, sources of rivers, &c.; Maps of the St. Just, St. Ives, Marazion, Helston, Gwinear, Chiverton, Bodmin, Liskeard, Devon Great Consols, Ashburton, and Exmouth mining districts, showing boundary lines of each property, with the lodes, &c., traversing them. It will also contain Transverse and Longitudinal Section of Dotosth Mine (kindly supplied by Capt. Charles Thomas); Section of the Workings in Botallack Mine (supplied by the manager, S. H. James, Esq.); Geological Map of the Foway Consols District (supplied by Major Davis, R.M.); Historical Account of the Devon Great Consols (supplied by the secretary, A. Allen, Esq.); and of all the principal mines in the two counties.

Subscribers' names will be received at my office, 224 and 225, Gresham House, Old Broad-street, London, E.C.

To Mr. Thomas Spargo, Gresham House, London, E.C.

Bis,—I will thank you to add my name to the list of subscribers to your work upon the Mines of Corawall and Devon. I enclose you 5s. in payment of my subscription.

Name

Address

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the NORTH WHEAL SETON COPPER MINING COMPANY (LIMITED).—The Registrar of this Court has appointed the 30th day of December inst., at Eleven o'clock in the forenoon, at the Registrar's Office, at Traro, to SETTLE the List of CONTRIBUTORIES of the ABOVE-NAMED COMPANY, now made out and deposited at the aid office.

WILLIAM MICHELL, Registrar of the said Court. Dated this 12th day of December, 1864.

In the Court of the Vice-Warden of the Stannaries Stannaries of Cornwall.

N the MATTER of the COMPANIES ACT, 1862, and in the MATTER of the EAST BOTALLACK CONSOLIDATED MINING COMPANY (LIMITED).—Notice is hereby given, that a PETITION for the WINDING-UP of the ABOVE-NAMED COMPANY by the Court was, on the 7th day of Dec. inst., presented to the Vice-Warden of the Stannaries by John Haddon, a creditor of the said company, and that the said petition is directed to be heard before the Vice-Warden, at 79, Grovenor-street, Grovenor-aquare, London, on Wednesday, the 28th day of Dec. inst., at Eleven o'clock in the forencon.

Any contributory or creditor of the company may appear at the hearing and oppose the same, provided he has given at least two clear days notice to the petitioner, his solicitor, agent, of his intention to do so, such notice to be forthwith forwarded to P. P. Smith, Eaq., secretary of the Vice-Warden, Truro.

Every such contributory or creditor is entitled to a copy of the petition and affidavit verifying the same, from the petitioner or his solicitor, within 24 hours after requiring the same, on payment of the regulated charge.

Affidavita intended to be used at the hearing, in opposition to the petition, must be filed at the Registrar's Office, Turno, on or before the 24th day of December instant, and notice thereof must at the same time be given to the petitioner, his solicitor, or agent.

HENRY SEWELL STOKES, Solicitor, Turo (Agent for A. Pubrook, 31, Treadneedie-street, London, Dated Truro, December 13, 1884 Solicitor for the Petitioner).

In the Court of the Vice-Warden of the Stannaries.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the WEST PROVIDENCE MINING COMPANY.—By direction of his Honour the Vice-Warden, notice is hereby given that, on the 10th day of January next, at Eleven o'clock in the forencen, at the Registrar's Office, at Ture, in the country of Cornwall, this Coart will PROCEED to MAKE a CALL of ONE POUND TWELVE SHILLINGS PER SHARE on all the contributories settled on the list of contributories to the above-named company, under Class A. All persons interested therein are entitled 'to attend at the time and place aforesaid to offer objections to such call. WILLIAM MICHELL, Registrar. Dated Turo. December 15. 1864.

offer objections to such cail.
Dated Truro, December 15, 1864.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the NORTH WHEAL VOR MINING COMPANY.—ALL CREDITORS or CLAIMANTS of the ABOVE-NAMED COMPANY, who have not received notice from the Registrar of the said Court that their claims have been already admitted, are hereby REQUIRED to COME IN and PROVE THEIR SEVERAL DEBTS or CLAIMS, at the Registrar's Office, Truro, on Tuesday, the 3d day of January, 1865, or in default thereof they will be excluded from the benefit of any distribution made before such proof. And for the purpose of such proof they are either to attend in person, or by their solicitors or competent agents, or (unless such attendance be required by the Registrar's summons) they are to send affidavits being sworn either before some Commissioner of the Said Court, or before any Court, Judge, Justice, or any Commissioner of one of the Superior Courts lawfully authorised to take and receive affidavits and affirmations.

WILLIAM MICHELL, Registrar of the above-named Court, Dated Truro, December 15, 1884.

Truro, Cornwall.

BY DIRECTION OF THE TRUSTEES UNDER A MARRIAGE SETTLEMENT, FIRST-CLASS INVESTMENT IN THE SUN FIRE OFFICE.

FIRST-CLASS INVESTMENT IN THE SUN FIRE OFFICE,

MESSRS. GREEN AND SON (of St. Michael's House, St. Michael's-alley, Cornhill) are favoured with instructions to SELL BY AUCTION, at Garraway's, Change-alley, Cornhill, on Thursday, Jan. 12, 1865, at Twelve for One, in Nine Lots, THIRTY SHARES in that well-known, old-established, and highly-flourishing concern, the SUN FIRE OFFICE. The dividend is £6 10s, per share, paysle in January and July, independently of large bonuses. The dividend and bonuse averaged for 12 years to Midsummer, 1864, £11 9s. 2d. per annum per share, without any deductions for income-tax. The bonuses have generally been declared blennially or oftener; the last bonus of £6 10s, per share was paid at Midsummer, 1864, and the preceding bonus of £10 per share was paid at Midsummer, 1863.

Printed particulars, with conditions of sale, may be had at Garraway's; of Messrs. Rakese, Fond, Loudboursee, and Londsoursee, solicitors, 4, South-square, Gray's-ling; and of Messrs. Green and Son, auctioneers and estate agents, St. Michael's House, St. Michael's House, St. Michael's House, St.

NEAR REDRUTH, CORNWALL.—A PUBLIC AUCTION will be held on the mine, on Tuesday, the 20th day of December, at noon (asy Twelve o'clock) for selling, in One Lot, the MINE, MACHINERY, and MATERIALS, viz.:

An excellent 36 in. cylinder ENGINE, with 10 ton BOLLER; about 100 fms. of pitwork, varying from 11 to 6 in. pumps; 100 fms. of flat-rods, balance-bobs, main rods, pump rods, nearly new capstan rope, two capstan and shears, together with all the materials on the mine.

For further particulars, apply to Mr. REGULARDS, Park House, Belletth, Connection

For further particulars, apply to Mr. RICHARDS, Bank House, Redruth, Cornwall. Dated December 2, 1862. WHEAL ANNA, ST. HILARY, NEAR MARAZION, CORNWALL.

FOR SALE, BY PRIVATE CONTRACT, the WHEAL ANNA MINE, with the MATERIALS thereon, situate in the parish of St. Hilary, near Marzion, Coruwall, adoloning the Great Wheal Prosper Mines.

The materials consist of a 70 in. cylinder PUMPING ENGINE, with THREE

BOILERS complete.
36 in. cylinder PUMPING ENGINE, with ONE BOILER.
39 in. DOUBLE STAMPING ENGINE, 9 R. stroke, with ONE BOILER, a

32 in. DOUBLE STAMPING ENGINE, 9 ft. stroke, with ONE BOILER, and 35 heads of stamps.

22 in. WINDING ENGINE, with BOILER and cage.

Capatans, shears, balance-bobs, capatan rope, a large number of 17 in., 16 in., and 12 in, pumps, with windbores, doorpieces, II pleces, plunger poles, working barrels, rods, rod plates, caps, shaft roller, rod and flange botts, rail iron, chain, ladders, whims, &c.; Brenton's calciner, with the frames, trunks, buddles, &c.; smiths' and miners' tools, &c.

To view the same, apply to the agents, on the mine; and for further particulars to Mr. J. P. BENNETTS, Fallmouth; or to Messrs, John Tatlor and Sons, 6, Queen street-place, Upper Thames-street, London.—Nov. 1, 1864.

TO COLLIERY PROPRIETORS.—TO BE SOLD, BY PRIVATE CONTRACT, ONE 25 in. cylinder CONDENSING BEAM ENGINE, 5 ft. stroke, with fly-wheel 14 ft. diameter, lack head and feed pump 6 ft. diameter, inviding drum for flat rope, 2 pump cranks for 5 ft. stroke, with TWO wrought-iron CYLINDRICAL BOILERS 24 ft. long, 6 ft. diameter, with steam pipes and fittings; the above in good order, and sultable for pumping and winding. Also, ONE DIRECT ACTING PUMPING ENGINE, 45 in. cylinder, 6 ft. stroke, with metallic piston, double beat vaives and connections; ONE wrought-iron CYLINDRICAL BOILER, 25 ft. long, 6 ft. diameter, in excellent working order.—To view and treat for the same, apply to Mr. Hales, Broncoed Colliery, Mold, Flintshire.

the collieries to that town, the facilities afforded by the Manchester, Sheffield, and Lin-colashire, the Great Northern, and the Midiand Railways, and the fact of the coal fields being entire, and wholly the property of the Duke of Norfolk, give to these collieries advantages which few possess.

For further particulars, apply to Messrs. T. E. FORSTER and Co., Newcastle-upon-Tyne; Mr. Mancus Surru, at the Norfolk Etate Office, Sheffield; or to Messrs. Faw and Co., solicitors, Covent Garden, London.

VERY VALUABLE COAL FIELD, IN THE COUNTY OF DURHAM.
THE LATE WM. HARRY DUKE OF CLEVELAND'S HARTE ESTATE ACTS

THE LATE WM. HARRY DURE OF CLEVELAND'S HARTE ESTATE ACTS

HUTTON HENRY ESTATE.—TO BE LET, ON LEASE,
all the VALUABLE SEAMS of COAL UNDER this ESTATE strate in the
parish of MONK HESELDON, in the immediate vicinity of Wingate Grange and Castle
Eden Collieries, the former producing the "Caradoc" and "Howden Wall's-End"
coals of the London market, and the latter the "Hartlepool West Hartley."

The estate comprises 752 acres, and contains workable seams of the aggregate thickness of 14 ft., well adapted for household, steam, and coking purposes.

The Hartlepool branch of the North-Eastern Railway passes through the property,
the distance to the Hartlepool Docks being seven miles: the haulage and wagons are
provided by the railway company, at moderate dues. The port and docks have ample
coal field with the North-Eastern main line, at Ferry Hill.

For further particulars, apply to Messra: Wharnon and Fonds, solicitors, Ledds; T. E.
FORBYER, Est, Ellison-place, Newcastle-on-Tyne; or Mr. G. W. Allansons, of Hartlepool, resident agent; any of whom will furnish the necessary information.

CLATE QUARRY.—TO BE DISPOSED OF, a most VALUABLE SLATE PROPERTY in CARNARYONSHIRE, from which a princely fortune may easily be derived, and which, from its peculiar natural facilities, may be worked most extensively for a comparatively small outlay, and in a much shorter period of time than any other quarry of its extent in North Wales, the slate being good almost to surface.—Address, "W. G.," Mount Pleasant, Lianberis, Carnarwoombire.

MERIONETHSHIRE, NORTH WALES.

TO BE DISPOSED OF, a SLATE QUARRY PROPERTY, vein proved, and position commanding all advantages. Also, a VALUABLE GRANT, possessing a RICH SILVER-LEAD MINE, with other lodes, very favour-able.—To treat for the same, apply to Mr. H. P. M. Owen, C. E., Penrhyndendraeth, via

Mr. Owen has OTHER MINES and QUARRIES TO DISPOSE OF. Also, bega offer his services to gentlemen in all inspections of native mineral, with practical ports thereon. Immediate attention given.

INVERNESS-SHIRE.

INVERNESS-SHIRE.

LATE QUARRY TO BE LET, with entry at Candlemas next, in the slate district of NOETH BALLAHULLISH, on LOCH LEVEN, in the parish of KILMALLIE, and county of INVERNESS. This slate is similar to the well-knows Ballahullish, on the south shore of the loch. A quarry has been partially opened and the slate worked, and several houses have been roofed with it on the estate, Mr. TROMAS FORMAN, residing at Achnicarry, by Fort William, will show the district proposed to be let, and the quarry; and offers from parties of capital and experience in opening and working such quarries will be received by the proprietor, Donato Cameron, Eq., of Lochiel, Fort William, who will supply such further information as may be desired.

FOR SALE, the RIGHT to the PATENT of a VALUABLE IMPROVEMENT in VALVES and BUCKETS for PUMPS, and in VALVES or COCKS for OTHER USES.—For particulars, apply to Mr. W. T. RAWLE, patent and mining agent, 59, Budge-street, Bristol.

HORIZONTAL ENGINES FOR SALE, at very low prices;—
One 12 in. cylinder, 24 in. stroke; one 12 in. cylinder, 36 in. stroke; and two
14 in. cylinders, 24 in. stroke. All ready for delivery, and may be had with or without
diy-wheels.—Apply to Messrs. E. Page and Co., Laurence Pountney-place Laurence
Pountney-hill Cannon-street E.C.

NICHOLLS, WILLIAMS, AND CO., ENGINEERS,
BEDFORD IRONWORKS, TAVISTOCK.
MANUFACTURERS of STEAM ENGINES OF EVERY DESCRIPTION, made on
the BEST and NEWEST PRINCIPLES. We beg more especially to call the attention
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NEW COMBINED TURBINE, WINDING, AND PUMPING MACHINERY, MANUFACTURED by GEORGE LOW, MILLGATE IRONWORKS, NEWARK-UPON-TRENT, Who respectfully begs to bring the above to the notice of the mining public, as an exceedingly cheap and easy method of applying water-power for the above purposes. The TURBINE, WINDING, and PUMPING MACHINERY are all fixed complete to one strong cast-iron bed plate, which can be placed in any situation without pit or excavation, and any height not exceeding 33 ft. from bottom of fall, the supply and suction pipe being all that is required to be connected to it, and can be brought in any direction. This combined machine can be easily removed when necessary.

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MESSRS. ROBERTS AND CO., 87, LONDON WALL, E.C., have selected a LIST of DIVIDEND and PROGRESSIVE MINES, which they can strongly recommend. Also, Bank, Railway, and other shares. Commission, 1½ per cent.

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APPARATUS FOR RAISING WATER ECONOMICALLY, ESPECIALLY
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mad, wood, stone, and every onject of a smaler chameter than its tube.

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THE BANKING, MINING, AND JOINT-STOCK COMPANIES REVIEW,
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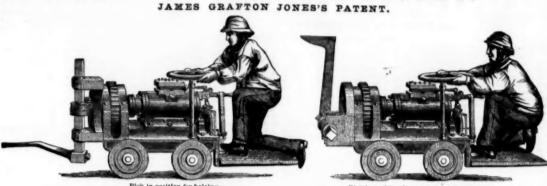
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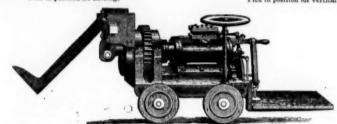
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Pick in position for vertical cut downwards.



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Messrs. Jones and Levick, proprietors of this patent, are prepared to supply these Machines, which are on an improved principle, and are constructed to work the coal at any angle from the horizontal to the vertical, thus rendering them capable of "holeing" at any angle, and of driving "headings." They are simple and substantial in construction, and are not likely to get out of order. They are already successfully employed in the Barnsley coal district, and are being introduced into the South Wales and other coal mining districts. They are also suitable for mining the argillaceous ironstones of the coal measures, as well as working other mines and quarries

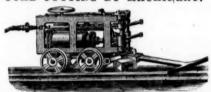
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NOTICE.—The WEST ARDSLEY COMPANY, having reason to believe that their patents are being infringed upon, hereby give notice that they will TAKE LEGAL PROCEEDINGS AGAINST ALL PARTIES who may MAKE FOR SALE, or USE ANY MACHINERY in the construction of which any such INFRINGEMENT is MADE.

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MESSRS, RIDLEY AND CO, have, by recently PATENTED IMPROVEMENTS, COMPLETED their TRUNK COAL CUTTING MACHINE, WORKED by COMPRESSED AIR, and are NOW PREPARED to NEGOCIATE for the USE, and to SUPPLY MACHINES, which will be found to COMBINE SIMPLICITY of CONSTRUCTION with PORTABILITY and ECONOMY in WORKING. By the use of these machines as CONSIDERABLE SAVING of COAL is EFFECTED, and the COST of LABOUR MUCH REDUCED. Each machine will be guaranteed as to its capabilities.

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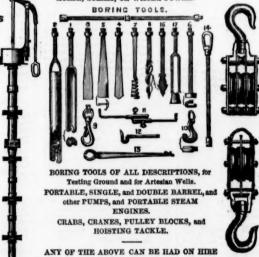
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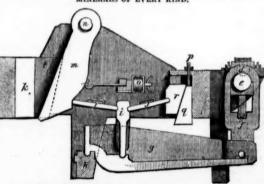
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| THE MINING SHARE LIST | Page 18 Comment | Shares. Wines. | Paid Last D. C. |
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| THE MINING SHARE LIST BRITISH DIVIDEND MINES. Mines. | PROGRESSIVE MINES. Shares Mines. Paid. Last Pr. Bus. dons. Last Call 700 A* lovery (sillead), Merlo. 4 10 0. — | ## Wines. 700 M. Roskear(cop.), Camborne 8 6144 North Roskear(cop.), Camborne 8 6144 North Roskear(cop.), Camborne 9 6200 No. Shepherd (lead), Newlyn. 6000 N. Wh. Banset (cop., tin) [8.E.] 6110 North Wh. Crofty(cop.) [8.E.] 6114 N. Wh. Robert, Samp. Spiney 1 1000 N. Wh. Ston, Camborne [L. E. 2] 12380 Okel Tor (cop.), Calstock 615 Pedn-an-drea (tin), Redruth. 6000 Pendala (tin), Sh. Agnes. 617 Penhallo Whoor (cin), Wendron 1 6000 Penhalla (tin), Sh. Agnes. 618 Penhallo Whoor (cin), Wendron 1 6000 Polhigey Moor (tin), Wendron 1 6000 Princes of Wales (tin), Calstock 6000 Princes of Wales (tin), Calstock 6000 Princes of Wales (tin), Sharcreed 6000 Princes of Wales (tin), Calstock 6000 Princes of Wales (tin), Calstock 6000 ProsperUni. (tin, op.), Sh. Hilary 1016 Redmoor (cop., tin), Callington 617 Retanna Hill (tin), Wendron. 6000 Roskear (cop) (armart. [L. £1] 6000 Restriggian (tron), St. Wesa 6000 Roskear (copper), Camborne 7 6000 Roskear (copper), Camborne 7 6000 Roskearnowth (cop.), Camborne 7 6000 Scorrier Con. (tin, op.), St. Agnes 8 6000 Segelalas, Montgomery [L. £3] 6000 Shafted Cons. (cop.), Flillack 612 South Basset (cop.), Gwennap 1 6000 Shafted Cons. (cop.), Flillack 612 South Basset (cop.), Gwennap 1 6000 Shafted Cons. (cop.), Comborne 6 6000 Shafted Cons. (cop.), Comborne 6 6000 Shafted Cons. (cop.), Gwennap 1 6000 Shafted Cons. (cop.), Gwennap 1 6000 Shafted Cons. (cop.), Comborne 6 6000 Shafted Cons. (cop.), Comborne 6 6000 Shafted Cons. (cop.), Cop.), Comborne 6 6000 Shafted Cons. (cop.), Comborne 6 6000 Shafted Cons. (cop.), Cop.), Comborne 6 6000 Shafted Cons. (cop.), Comborne 6 6000 Shafted Cons. (cop.), Comborne 6 6000 Shafted Cons. (cop.), Comborne 6 6000 Shafte | 1 0 0 |
| BRITISH MINES WITH DIVIDENDS IN ABEYANCE. 40 Boscean (tin), 8t. Just | 2000 Exwelin (lead), [L. £1] 1 0 0 | 5000 S.Dolcoath & Carnarthen Con. 5000 S. Poxdale(id.) I.of Man [L.£5] 5000 South Gorland (cop.), St. Day 5000 South Lowel (tin), Wendron 500 South Kilmorey (lead) 5000 South Lowel (tin), Wendron 5000 South Lowel (tin), Wendron 5000 South Fanty-Gof (lead) 5000 South Fanty-Gof (lead) 5000 South Fanty-Gof (lead) 5000 South Fanty-Gof (lead) 5000 South St. twes (tin), St. Ives. 501 South Wheal Leisars 501 South Wheal Leisars 501 South Wheal Leisars 502 So. Phanix (cop.), Clamborne & Fall South Comp. 503 So. Wh. Grofty (cop.), Clamborne & Fall South Comp. 504 So. Wh. Seton (cop.), Camborne & Fall South Comp. 505 St. Ives Wheal Allen (tin). Li 506 St. Just Chaoles (tin) [L. £1] 500 St. Just Untd. (tin) [L. £2] 500 St. Just Chaoles (tin) [L. £1] 500 St. Just Untd. (tin) [L. £2] 500 St. Just Chaoles (tin) [L. £1] 500 St. Just Chaoles (tin) [L. £1] 500 Trime Office (lead), Mold 500 Trime (cop.), Camborne 500 Trivadden (copper), Marasion 500 Trivadden (copper), Marasion 500 Trivadden (copper), St. Erth. 501 Tresslyn and Scaddlek Cons. 500 Triwenen and Tremenhere 500 Triwenen and Tremenhere 500 Trimey Hall [1250 £1 pd., 1260 500 Trimey Hall [1250 £1 pd., 1260 500 West Beam (tin) [L.] 5000 West Beam (tin) [L.] 5000 West Beam (tin) [L.] 5000 West Sharp Tor(cp.) Hillson 16 500 West Sharp Tor(cp.) Hillson 16 500 West Sharp Tor(cp.) Redruth 511 West Travalyan (tin, scopper) 512 West Wh. Frances (cop.), Camb. 520 500 West Wh. Kitty(tin), St. Agnes 500 West Wh. Kitty(tin), St. Agnes | 2 0 0 0 24 24 21 24 Aug. 4 0 0 0 3 4 24 21 21 Aug. 7 1 4 1 |
| 60 West Burton Gill (lead), Yorkshire. 50 0 0. — | Second S | 5000 West Wh. Kitty (tin), St. Agnes 10000 W. Wh. Martha (cp. & &) 10000 W. Wh. Martha (cp. &) 10000 W. Wh. Martha (cp. &) 10000 Wheal Agar (copper), Illogan in 10000 Wheal Agar (copper), Illogan in 10000 Wheal Albert (copper) 1000 Wheal Albert (copper), Colletto, 1000 Wheal Buller, Redruth [S.E.] 1000 Wheal Curtis (cop.), Calstock. 1000 Wheal Curtis (cop.), Calstock. 1000 Wheal Curtis (cop.), Calstock. 1000 Wheal Crofty (cop.), Talvasicok 1000 Wheal Emity Hearletts (cop.) 1 1000 Wh. Emma(cp) Buckfastleigh 1000 Wh. Emma(cp) Buckfastleigh 1000 Wh. Grylis (tin), Ferranuth. 1000 Wh. Grylis (tin), Ferranuth. 1000 Wh. Harriett (cop.), Galmorn 1000 Wh. Mary Hutchings (Plymp.) 1000 Wh. Prosper (cp., tin), Breage 1 1000 Wh. Prosper (cp., tin), Breage 1 1000 Wh. Reeth (tin), Uny Lelant 1 1000 Wheal Sarah (tin), Lanivet . 1000 Wheal Viow (copper) | 110 — Sept. 15 6 — 2½ 2 2½ 15 6 — Nov. 15 6 — Nov. 15 6 — Nov. 15 6 — Nov. 16 6 43s. 40s. 41s. Nov. 16 6 34 — Oct. 16 0 4½ 4½ 4½ 4½ Aug. 11 6 74 — Sept. 16 7 — Mar. 17 7 — Nov. 18 8 — Nov. 19 6 — Oct. 10 0 4½ 4½ 4½ 6½ Aug. 11 6 74 — Nov. 11 6 75 — Nov. 11 7 — Nov. |
| 000 Central Italian (copper) (7000 42 paid) | 8000 New Treleigh (cop.), Redruth 3 3 0 | MISCELLA 20000 Angio-Mexican Mint | A N E O U S. 0 0. 18¼17¼18½ 10 0 |